REPORT

BUILDING DEMOLITION REPORT 2251 ARMOUR ROAD SITE NORTH KANSAS CITY, MISSOURI

Prepared for
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November 16, 2004

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TABLE OF CONTENTS

TABLE OF CONTENTS

Tables

Figures

Appendices

GLOSSARY

AAL	Acceptable Ambient Level
ACM	Asbestos-Containing Material
AIHA	American Industrial Hygiene Association
CD	Consent Decree
DEQ	Department of Environmental Quality
DOT	Department of Transportation
EE/CA	Engineering Analysis/Cost Analysis
EMA	Environmental Management Alternatives
HASP	Health and Safety Plan
Hi-Vol	High Volume
KCPL	Kansas City Power & Light
MDNR	Missouri Department of Natural Resources
mg/kg	milligrams per kilogram
NIOSH	National Institute of Occupational Safety and Health
OPL	Official Planning Level
PCB	Polychlorinated Biphenols
ppm	parts per million
QAPP	Quality Assurance Project Plan
RAL	Risk Assessment Levels
SOP	Standard Operating Procedures
TCLP	Toxicity Characteristic Leaching Procedure
TSP	total suspended particles
USEPA	United States Environmental Protection Agency
WP	Work Plan

The demolition phase of the 2251 Armour Road Site remediation was completed in substantive conformance with the Work Plan (WP), Quality Assurance Project Plan (QAPP), and Health and Safety Plan (HASP) submitted for the work and according to the requirements of the Consent Decree (CD) Civil Action Number 04-319-CV-W-NKL.

Certified by:

Ross V. Overby, Missouri Professional Geologist No. RG0988

The Building Demolition Work at the 2251 Armour Road Site (Site) was done pursuant to the Consent Decree (CD) Civil Action Number 04-0319-CV-W-NKL. The work was performed according to the Work Plan (WP), Quality Assurance Project Plan (QAPP), and Health and Safety Plan (HASP) for the project. The United States Environmental Protection Agency (USEPA) and Missouri Department of Natural Resources (MNDR) approved the WP, QAPP, and HASP before work was started.

Work officially began on August 26, 2004 when Hi Volume (Hi-Vol) ambient particulate sampling devices were delivered to the Site and background air quality samples were collected. Background air data documented non-detectable concentrations of arsenic in three of the four samples and a concentration of 0.0000033 mg/m^3 in the fourth sample. Environmental Management Alternatives (EMA) of St. Louis, Missouri mobilized and began the project planning the week of September 2, 2004. The decontamination of the building began that same week and was completed in the middle of September.

Wipe and concrete chip samples from the walls and floor of the building were obtained prior to the demolition to document the completion of the decontamination process. Wipe samples indicated very low levels of arsenic remaining on the surfaces after decontamination. The concrete chip samples were collected from the cinder block walls and from the concrete flooring. The arsenic concentrations were low for the cinder block and for the concrete flooring in the cinder block structure, northeast metal structure and in approximately one half of the flooring in the southern metal structure. The remainder of the flooring in the southern metal structure had concentrations of arsenic that would render the concrete in this area a hazardous waste. The area of the concrete containing hazardous concentrations of arsenic was delineated and the concrete was left on the site to be managed during the excavation portion of work.

Once the decontamination was documented, the demolition of the building was started. The building included a southern and northeast metal structure and a cinder block structure. The building was completely demolished by October 1, 2004. Demolition debris was removed from the Site for either disposal or reuse during the weeks of October 4th and the 11th. Approximately 1,000 cubic yards of construction debris including concrete, wood, roofing, pipe were disposed at Courtney Ridge Landfill in Independence, Missouri. The fluorescent bulbs and ballast were disposed at HTR Group in Ozark, Missouri. The transformers were disposed at the Clean Harbors facility in Coffeyville, Kansas. The asbestos containing material (ACM) was disposed at Courtney Ridge, Landfill.

Particulate sampling was performed at the fence line during the remediation activities. All ambient air monitoring samples contained arsenic concentrations below the Occupational Safety and Health Administration (OSHA) action level of 5ug arsenic/cubic meter of air. On a few

occasions, near the end of the project when the masonry part of the building was being demolished, the arsenic concentration in the ambient air exceeded the Missouri Construction Safety Guideline Acceptable Ambient Level (AAL) of 0.267 ug/cubic meter of air. When this guideline is exceeded the response action is to reevaluate the dust suppression measures and take additional action as needed to further suppress dust. The guideline was exceeded during the last dust-generating activities. During these activities high pressure washing of the underground vats was done within about 50 feet of a monitoring station. While demolishing the building as many as 20 masonry blocks fell from a height of about 15 feet landing on the gravel-covered contaminated soil within a few feet of the monitoring stations. These two events would represent localized emissions with direct close proximity influence on the monitoring stations. Therefore, the results are not considered representative of ambient activities or ambient arsenic concentrations in the air. However, additional dust control requirements may be needed during the excavation phase of the project. The work plan for the excavation addresses dust suppression.

Background soil samples were collected south and west of the site to develop a soil quality specification for backfill that will be used during the excavation phase of the remediation. These samples were submitted for analyses for total arsenic. The samples indicated that the arsenic was detected in the off-site surficial soil at concentrations between 3.61 to 8.08 mg/kg. There was one soil sample with a concentration of 71.2 mg/kg. This sample was collected approximately 3,000 feet west of the Site and is considered an outlier data point. There is no known connection with this elevated concentration and the site. Based on the background data, a backfill specification of less than 8 mg/kg has been proposed for the restoration of the Site.

A series of test pits were excavated under the footprint of the former building to document the vertical and lateral extent of soil contamination beneath the structure. The data showed that high concentrations of arsenic were present beneath the entire building as well as to the north and northwest where the sanitary sewers were terminated. Areas of soil exposed after removing the concrete floors of the building were covered with gravel. The demolition crew left the Site on October 17, 2004.

The billboard that was located on the northeast portion of the site was removed on November 2nd. The materials making up the billboard were removed from the site and taken to a scrap metal recycling facility.

This documentation report provides the details of the decontamination and demolition process, provides analytical data for the decontaminated building, ambient and personal protective air monitoring data, waste profile data, disposal/recycling records, soil sampling data from under the building and background arsenic data from samples taken from locations off the Site, and observations during the demolition activities.

The CD, Civil Action Number 04-0319-CV-W-NKL ordered the implementation of the recommended alternative presented in the Engineering Analysis/Cost Analysis (EE/CA) for the Armour Road Site. The selected alternative includes decontaminating, demolishing, and disposing of the existing structure, excavating and treating, as necessary, the soil from the site, backfilling the site, and restoring the site to an open grass field. The work completed to date includes the decontamination, demolition, and disposal of the building.

A Work Plan (WP) addressing the demolition phase of the work was prepared and submitted to the USEPA and MDNR; the plan was approved on June 23, 2004. A QAPP addressing all phase of work at the Site was prepared and submitted to U.S. EPA and MDNR. This document was also approved on. June 23, 2004. A site specific HASP was prepared and submitted to USEPA and MDNR. The HASP addressed all phases of work and was recognized by both USEPA and MDNR. After receiving the agency approvals of the various documents, the demolition phase was implemented at the Site. This report documents all the activities performed during the implementation of the demolition phase. Figure 1 illustrates the location of the Site and surrounding areas.

4.1 PREPARATION

Preparatory work was divided into the following:

- Setting up background monitoring instruments;
- Utility terminations including removal of the on-site power poles;
- Testing for the presence of asbestos containing materials (ACM);
- Providing the City of North Kansas City, Missouri with a Demolition Plan;
- Landfill approvals; and
- Mobilization of equipment and personnel to the Site.

4.1.1 Background Monitoring Equipment

Background and on-site monitoring included setting up and operating a meteorological station on the southern portion of the site; setting up, calibrating and operating two Hi-Vol air sampling stations, one on the northern portion and one on the western portion of the Site; calibrating and operating personal air sampling and screening equipment. The meteorological station included a rain gauge, wind speed indictor, wind direction indicator, relative humidity device, temperature gauge, barometric pressure device and a solar panel for powering the unit. The Hi-Vol stations consist of a metal cabinet with a vacuum pump, air flow measuring devices, timer and a sample filter port. The personal air sampling equipment included a MIE Data-RAM to measure the concentration and time weighted average for the dust levels at the site. Personal air-sampling was performed with industrial hygiene air sampling pumps, equipped with a filter cassette attached to tubing and the pump to collect sample of the air from the breathing zone of on-site workers. The sampling cassette was then analyzed by an American Industrial Hygiene Association (AIHA) accredited laboratory for arsenic and particulate.

4.1.2 Utility Terminations

The utility terminations included contacting the City of North Kansas City, Missouri Gas and Energy Company, Southwestern Bell for telephone and Kansas City Power and Light (KCPL). The Water Department of North Kansas City was contacted to coordinate the termination of water service to the Site. A plumbing contractor was retained and, working with the City, the water terminations were made. The plumbing contractor also worked with the City to terminate the storm and sanitary sewer connections to the Site. The Missouri Gas and Energy Company was contacted to provide a certification that the natural gas utility connection to the property had been properly terminated. A certification was obtained. A locator working for Southwestern Bell visited the site to make sure that there were no telephone lines and or cables that needed to

be terminated for this phase of work. There were no telephone lines that would be impacted during the demolition of the building. KCPL provided a certification that electrical service to the Site had been terminated. The power poles that were on the Site were removed as part of this phase of work.

4.1.3 Asbestos Testing

Samples of inside building materials were collected and tested for asbestos in June 2004. The roofing materials were tested for asbestos as part of the demolition work. The floor tile and mastic within the building as well as the flashing for the roofing were found to contain asbestos.

4.1.4 Demolition Plan

A Demolition Plan was submitted to the City of North Kansas City. The plan outlined all of the activities that were undertaken during the demolition phase of the work at the Site.

4.1.5 Landfill Approvals

The list of disposal facilities for the building materials generated during the demolition work at the site was submitted to U.S. EPA and MDNR. The approvals for these facilities were received from the respective agencies and are included with this report.

4.1.6 Mobilization

Mobilization of equipment and personnel to the site began on September 1st. The pieces of equipment used to complete the demolition phase included the following: scissor lift; skid steer loader; HEPA vacuum unit; pressure washers; generators; excavators; track loader and various hand tools.

The air-monitoring program involved background, perimeter and personal protective monitoring. Two (2) Hi-Vol air sampling stations and one meteorological station were set-up and calibrated. The Hi-Vol stations were placed at downwind locations. The meteorological station was set on the southern portion of the site in an area without obstruction to the predominant wind from the south. The area was not disturbed during this phase of work at the Site. The locations of the Hi-Vol and meteorological station are shown on Figure 2. Figure 2 also shows the wind rose depicting the prominent wind directions and wind speeds during the duration of this phase of work. As shown by the wind rose, the Hi-Vol stations were located downwind. The typical wind directions were from the south-southwest and the northeast. The average wind speed was 3.8 miles per hour.

The Hi-Vol stations were calibrated per the method requirements prior to air sampling at the site. The calibration involved setting up and leveling the units; attaching a slack tube manometer to the unit, the use of a Dickson Chart to determine the air flow rate for each unit during calibration and placement of a calibration orifice on the unit. The units were turned on and changes in the air-flow measurements through the variable orifice were determined using the Dickson Chart; changes in vacuum were measured using the slack tube manometer. The calibration data was plotted on a total suspended particles (TSP) Calibration Chart using a laptop computer. The correlation factor was confirmed to be within the method requirements of 0.995 percent. The samplers were considered calibrated and ready for air sampling. The calibration chart for each air sampling station is provided in Appendix A.

The only calibration needed for the meteorological station was to orient the station to magnetic north. This was accomplished using a compass. The station included a rain gauge, wind direction indicator, wind speed indicator, device to measure barometric pressure, device to measure relative humidity, temperature and a solar panel to power the station. The meteorological data for the duration of this phase is presented in Appendix B of this report.

5.1 BACKGROUND AIR MONITORING

Background air monitoring was conducted on August 26th and August 27th 2004 to establish a baseline airborne particulate and arsenic concentration. An 8 x 10-inch glass fiber filter having a collection efficiency of $\geq$ 99% for particulates of 0.3 micron (μm) diameter were installed in the sampling units to collect total suspend particulate (TSP) and speciate for arsenic as well. The monitoring was conducted for 8-hour intervals at each of the two previously mentioned downwind locations of the Site. A sampling filter was collected daily from each sampler during the two day background air-monitoring period. The filters were analyzed for TSP and arsenic. The analytical results were reported in grams of dust/filter for TSP and micrograms of arsenic/filter. Dust mass was converted to mg/m^3 using daily calibration charts and the daily

meteorological data to determine the actual air volume for the sample period. The daily calibration charts are provided as Appendix C. The analytical results for the background air samples as well as all air samples collected during the demolition phase are provided as Appendix D. The background sampling documented relatively low particulate counts ranging from 0.033 to 0.052 mg/m^3. Background sampling for arsenic was detected in one sample at a concentration of 0.0000033 mg/m^3.

5.2 PERIMETER MONITORING DURING REMEDIATION ACTIVITIES

Perimeter air monitoring was performed during an 8-hour collection period on each work day where there was dust generated that could impact off-site locations. Air sampling was conducted on a given day if the doors of the building were open during indoor decontamination activities or during outdoor decontamination/demolition activities. Sampling was done in accordance with the Standard Operating Procedures (SOP) presented in the QAPP. The results were compared to designated screening levels. For purposes of this effort health-based screening level was set to the OSHA standard of 5 ug/m^3 arsenic. The OSHA standard is half of the permissible exposure limit established for Site workers. The air monitoring results, reported by day, are provided on Table 1. All monitoring results are below the OSHA standard.

A few ambient air samples did exceed the Missouri Construction Safety Guideline. The Missouri Department of Environmental Quality (DEQ) provides values for arsenic emissions, including a draft risk assessment level (RAL), and published criteria such as the AAL and Official Planning Level (OPL). The draft RAL is not available in the public realm, however the AAL and the OPL are documented in the Missouri Construction Safety Guidelines, with the appropriate excerpts provided to URS by the Missouri Air Pollution Control Program office in Jefferson City, MO. The Missouri emission values considered for this project include the following:

- draft RAL: 0.0267 ug arsenic /m^3 air;
- Published AAL: 0.267 ug arsenic /m^3 air;
- Published OPL: 10 lbs. Arsenic per year;
- OSHA PEL: 10 ug arsenic /m^3 air;
- OSHA AL: 5 ug arsenic /m^3 air

Because the draft RAL is not promulgated or a published resource, and is not recognized in the current literature available to the public, it not considered as a primary standard for compliance, but a goal to be sought. It has been determined that the AAL is the primary value of consideration for compliance to address off-site migration. The AAL is used as a compliance requirement verified by high volume ambient air monitoring at fenceline locations. Exceeding the AAL requires notification of the Missouri DEQ (Steve Jaques, 573-751-4817), and a

presentation to the DEQ of supplementary controls to be implemented to ensure site emissions are maintained below the AAL. The DEQ has been notified.

The air monitoring results, reported by day, are provided on Table 1. The downwind high volume ambient air samples indicated that the AAL criteria was exceeded on 4 days at the western station and was exceeded only once at the northern station. The Guidelines were exceeded during the last dust-generating activities at the site. Therefore, there were no subsequent changes to be made in the dust suppression activities.

The nature of the activities on the days when the Guidelines were exceeded suggests very short-term dust releases in close proximity to the west station. Also, the location of the west station was placed against a wood-slat fence. The fence could ricochet doses of dust, artificially increasing the ambient concentration of dust and arsenic captured by the Hi-VOL sampler. The west station is located alongside and downwind of a 100-foot building on the adjacent property. The building and fence tended to act as a funnel, and directed airflow and particulate towards the sampler. These location biases would most likely result in a higher than actual concentrations of arsenic than would be found if there was no hindrance to the air-flow. By contrast the north location was placed adjacent to a wire fence that allows air and dust to pass unrestrained.

Heavy demolition activities were performed in close proximity to the West monitoring station during the days when the Construction Guideline was exceeded. The types of activities taking place upwind of the west station include the following (dates and maximum arsenic values are provided);

a. September 30, 2004 (2.3 ug arsenic /m^3 air): The vats were excavated and removed. The soil was wet and there were no emissions noted. The vats were pressure washed within about 50 feet of the West monitoring station generating aerosol water mists that would have been trapped by the wind tunnel and fence slats effect. The washing was performed for a few minutes for each vat.

b. October 1, 2004 (west, 2.5 ug and north 0.41 ug arsenic /m^3 air): The masonry building was demolished. A fire hose was used to suppress dust. At least 20 masonry blocks fell approximately 15 feet landing within a few feet of the West sampler and onto the gravel covering the railroad spur. The front of the building also fell on to the cracked asphalt paving within approximately 20 feet of the North sampler. The impact of the blocks most likely dislodged arsenic-containing dust from the gravel and from within the cracks of the asphalt; the dust was collected by the West and North monitoring stations. The event was brief and the total particulate was fairly low on that day. The relatively low total dust documents good overall dust suppression techniques during the demolition process that would generate the most dust.

c. October 5, 2004 (0.78 ug arsenic /m^3 air): The railroad tracks and ties were removed. The ties and surrounding contaminated gravel were located very close to the station as well as to the south (directly upwind) of the monitoring station.

d. October 6, 2004 (1.9 ug arsenic /m^3 air): The vast majority of clean cover aggregate was placed. The clean aggregate contained fine dust

Since the Missouri AAL was exceeded the plan calls for further assessment of dust suppression activities during the excavation phase of work, and notification of the Missouri DEQ. The Excavation work plan addresses dust suppression.

5.3 WORK ZONE MONITORING

Air monitoring procedures for Site workers are presented in the HASP. During the demolition activities personal exposure sampling was done following the National Institute of Occupational Safety and Health (NIOSH) sampling method (7300) for arsenic and (0500) for total particulate, using calibrated industrial hygiene sampling pumps. Workers were sampled according to 1910.1018 requirements to ensure their exposure was identified and minimized. It was determined that there were three days during this phase of work where there was a need for this sampling. These days correlated to periods when there were indoor activities leading up to the pressure washing of the building. These days involved the collection of contaminated debris in an enclosed environment. The debris was collected using manual and HEPA vacuum methods. All other activities involved working in less contaminated environments and in open spaces.

The air monitoring during these periods included the use of a Mini-RAE which measured the amount of air borne dust and led to the air sampling activities. After completion of this step and during the pressure washing phase, the mini-RAE indicated that the dust levels were low to not detected. The worker exposure analytical data are provided in Appendix E.

5.4 MONITORING ODORS

When the Vats were removed the odors from the excavation increased. In response to this event an organic vapor analyzer was used to determine if there were detectable organic constituents in the vapors. An HnU fitted with an 11.7 cV bulb was used and no organic vapors were detected. For further confirmation of the possible constituents in the odors sampling was done using a glass sample tube with enclosed filter media. The sample tube was connected to a personal air sampling pump via tygon tubing and air was pulled through the tube on to the filter media. The samples were analyzed for 2, 4-D, 2,4,5-T, and PCP. All results were not detected above 0.0013 mg/m^3.

The building decontamination phase of the work involved delineating work zones, the demolition of the building, power poles and foundations as well as the management of the wastes generated during the demolition work at the site.

6.1 WORK ZONES

Work zones were established to control access to hazardous areas. The work zones varied each day due to the complex nature of each day's work. The work zones were initially set up as the building itself during the indoor work at the Site. No one was allowed to enter the structure without wearing the proper safety gear that was designated for the activities of that day. As the activities progressed outside of the building, the work zone was delineated using caution tape. The caution tape was strung so that the area in question, as well as the entire building or a portion of the building that had not been demolished, was in the exclusion zone. Again, each worker within the area had to being wearing the correct safety gear for the activities. At the completion of the demolition of the building, the exclusion zone had to be moved to the fence line to accommodate the movement of traffic that was used to haul the demolition debris to the various disposal facilities. The photographic record is included as Appendix F and includes various photographs that depict the work zones as well as the health and safety practices used at the Site. Specific photographs that delineate work zones include photos #10, #14 and #41.

6.2 DECONTAMINATION

6.2.1 Sweeping

All components of the building were decontaminated in accordance with the decontamination SOP presented in the QAPP. The dirt and accumulated waste on the floors was scraped and placed in heavy plastic bags. After scraping, the floors were vacuumed using a HEPA vacuum. All vacuumed dirt was placed in a 1-cubic yard waste containment bag. The cleaned floors were then washed with a high-pressure water to remove, to the extent practical, any contamination that existed on the surface of the metal, cinder brick, and concrete structures. The washing generated small quantities of water that was allowed to soak into the gravel west of the building.

The analysis of the scrapings and vacuumed debris reveal that the composite was a hazardous waste. The data are provided below:

TABLE 2*

ANALYTICAL DATA FOR COMPOSITE SAMPLE OF SWEEPINGS DEBRIS

Analyte	Concentration
TCLP Arsenic	7.43 mg/l
2,4,5-T	2.73 mg/kg
Dioxins	1.8 ug/kg
2,4- D	1,120 mg/kg
Dicamba	2.98 mg/kg
Picloram	1.36 mg/kg
PCP	ND (1.0 mg/kg)

* Table 2 indicates EMA, Inc. data.

The scraped and vacuumed wastes were sampled separately to determine if both waste streams are a hazardous waste. The re-sampling and analyses revealed that vacuumed debris was a hazardous waste. The results of the debris sample are shown below.

TABLE 3

ANALYTICAL DATA FOR SEPARATE SWEEPING DEBRIS SAMPLES

Sample	TCLP Arsenic	Dioxins	2,4-D
Scrapings	2.47 mg/L	NA	139 mg/kg
Vacuumed Debris	6.73 mg/L	NA	231 mg/kg

The underground mixing vats contained small quantities of sludge; the south vat contained about a foot of water. The water was pumped onto the gravel west of the building. The sludge was scraped from the vats and was placed in Department of Transportation (DOT) approved drums. The sludge was analyzed for Chlorinated Herbicides and Toxicity Characteristic Leaching Procedure (TCLP) arsenic. The analytical results for these samples are provided in Appendix G. The analyses documented that the sludge was a hazardous waste and as such has to be disposed at a hazardous waste disposal facility.

6.2.2 Concrete and Metal

Wipe samples were taken of the metal surfaces of the building and chip samples were taken of the masonry blocks and the concrete floor. The samples were analyzed according to the QAPP

to determine the disposal requirements for each type of material. The analytical data for the wipe and concrete chip samples are provided in Appendix H and are summarized on Figure 3. The samples document that the building walls, though containing low levels of arsenic in places, were non-hazardous demolition debris.

The initial analytical data for the floor documented that the concrete flooring near the vats in the southern part of the building was a hazardous waste (failing the TCLP of 5 mg/L for arsenic) even after cleaning. The flooring in the southern part of the building was sampled on a grid to provide a better delineation of the area of the floor that was hazardous waste and to see how deep into the floor the hazardous concentrations of arsenic penetrated. The grid sampling effectively delineated the hazardous area (See Figure 3 and photos #47 through #50) and documented that the hazardous component of the floor is found in the upper half inch of the concrete. The data suggests that the housekeeping during operations in the southern part of the building were so poor that the concrete in that area cannot be cleaned and was managed as a hazardous waste. Also, a second concrete floor was noted under the primary floor in a part of the southern metal portion of the building. This floor was sampled for TCLP arsenic and found to be non-hazardous. The analytical data for these samples are designated as BCC and are also contained in Appendix H.

6.2.3 Removal of Equipment and Internal Structures

After vacuuming and pressure washing of the various building materials, the building was demolished with the respective building materials segregated into specific piles for disposal. The metal portions of the building were raised first. The metal siding from these portions was segregated into one pile with the larger support steel segregated into a separate pile. The cinder block portion was then raised and the metal roofing was placed in the same pile as the metal siding. The wood debris along with the cinder block material was placed into a separate pile. There were minor amounts of metal debris in this pile. Table 4 provides a list of the specific demolition materials and the disposal site used for each. The agency approval of the disposal sites for these building materials are provided as Appendix I of this report.

6.2.4 Management of Asbestos Containing Material

Floor tiles, window caulking, and gutter flashing, and a masonite pipe were determined through analysis to be ACM. All ACM was found to be non-friable, was bagged and placed into an ACM-only roll-off container for disposal under a manifest to the Courtney Ridge Landfill. The ACM testing and notification to the MDNR are provide in Appendix J.

6.2.5 Removal of the Vats

The two underground mixing vats were removed by excavating a shallow trench on the west and east sides and then lifting the vats from the ground with the excavator. Both vats were found to be leaking. The north vat had five (5) holes measuring approximately 60 millimeters across near the bottom and many pin holes measuring a few millimeters wide. The south tank had several pin holes measuring about a millimeter wide and several millimeters long. The tanks were pressure washed and were then cut into pieces. The pieces were disposed at the Courtney Ridge Landfill.

6.2.6 Removal and Management of Electrical Transformers

The oil in the three electrical transformers on the Site contained polychlorinated biphenols (PCBs). The transformers were placed in over pack containers and were disposed under a manifest at the Coffeeville, Kansas facility of Clean Harbors, Inc. Approximately two years ago the transformers had fallen to the ground and one had leaked oil. The oil stain on the pavement was covered with gravel to prevent exposure.

6.2.7 Removal and Disposal of Railroad Tracks and Ties

The railroad spur leading onto the Site was cut just outside the fence line as shown on Figure 3. A bolt joint was selected as the point to separate the tracks. The spur was lifted off the ties, cleaned and sent to Galamba Metals for recycling. The ties were found to be weathered; and they were removed, cleaned of dirt and sent to Courtney Ridge Landfill for Disposal.

6.2.8 Disposal and Recycling Records of Demolition Debris

The USEPA and, where needed, the MDNR approved the use of the waste disposal facilities used to dispose of the debris from the demolition. Copies of the approvals are provided in Appendix I. The final disposal records for each waste stream are summarized in Table 4. Agency approvals for disposal are provided in Appendix I.

6.2.9 Billboard Demolition

The billboard that was located near the northeast part of the Site was removed by on November 2nd by Premier Outdoor Enterprises, a subcontractor to Viacom, the owner of the billboard. The metal post was cut at the ground surface and the structure was hauled from the Site by Premier to a recycling facility.

The Site is currently secured with a chain link fence on the north, east and south sides and a wood and or chain link fence on the west side. The footprint of the building was covered by approximately four inches of gravel. The paved areas of the Site were not altered during demolition. Therefore, the entire Site is covered by either pavement or gravel.

7.1 SOIL SAMPLING UNDER THE BUILDING SLAB

After the building was removed during September and October of 2004, test pits were dug under the building footprint and soil samples were collected for analysis. The samples were collected from a depth of approximately three feet and eight feet. All samples were analyzed for total and TCLP arsenic. The samples that were collected near a former vat were also analyzed for total herbicides, TCLP herbicides and pentachlorophenol (PCP). The analytical results are provided in Appendix K. Arsenic concentrations with depth provided in the EE/CA were updated to reflect the new data and are provided as Figures 4 through 7. The arsenic results for the 3-foot sample are plotted on the 5-foot depth drawing and the 8-foot samples are plotted on the 10-foot drawing. The 3-foot samples showed elevated arsenic concentrations that could have only come from infiltration through the surface, so the surface drawing was updated with inferred elevated arsenic concentrations under the building footprint.

The additional sampling indicates that the threshold for treating arsenic contaminated soil before disposal is relatively low. Soil containing arsenic in excess of 500 mg/kg may require treatment. The data indicates that soil with arsenic concentrations exceeding 1,000 mg/kg will require treatment to meet the TCLP requirements for disposal.

7.2 BACKGROUND SOIL SAMPLING

Thirteen (13) background soil samples were collected primarily to the south and west of the Site. Each sample was collected from the upper six inches of soil according to the sampling protocol provided in the QAPP and was analyzed for total arsenic. The sample locations are shown in Figure 8 and are tabulated on Table 5. The background arsenic data range from 3.61 mg/kg to a high of 71.2 mg/kg. The elevated sample was collected adjacent to Armour Road roughly 3,000 feet west of the Site. There is no basis to connect the result to the Site. The other 12 sample results ranged from the low of 3.61 mg/kg to 8.08 mg/kg. Based on the background data the backfill specification for soil used in the excavation phase of remediation will be less than 8 mg/kg arsenic

TABLE 1
WORK ACTIVITY AND Hi-VOL AIR MONITORING ANALYTICAL DATA

DATE	SITE ACTIVITY	AVERAGE WIND DIRECTION (DEGREES)/ VELOCITY (MPH)	Hi-VOL STATION DESIGNATION	DUST CONCENTRATION (mg/filter)	ARSENIC CONCENTRATION (mg/m^3)
8/26/2004	Background air sampling and set-up of meteorological station	188.75/7.19	North	0.0024	0.0000033
			West	ND	Not Detected
8/27/2004	Background air sampling and calibration of personnel air sampling/monitoring equipment	230.04/4.13	North	ND	Not Detected
			West	ND	Not Detected
8/28 and 8/29/2004	Weekend – no site activity	NA	NA	NA	NA
8/30 and 8/31/2004	No site activity	NA	NA	NA	NA
9/1/2004	Mobilization and marking of the exclusion zone – no air sampling	NA	NA	NA	NA
9/2/2004	Collection of fluorescent light bulbs and ballasts – U.S. EPA Public Relations Presentation	141.56/3.25	NA	0.0048	0.00000802
			NA	ND	Not Detected
9/3/2004	Completed collection of fluorescent light bulbs and ballasts and collected loose debris (trash, wood, etc.). No outside activity with the doors closed so no air sampling.	NA	NA	NA	NA
9/4 and 9/5/2004	Weekend – no site activity	NA	NA	NA	NA
9/6/ and 9/7/2004	No site activity	NA	NA	NA	NA
9/8/2004	Completed collection of pigeon droppings and miscellaneous debris and begin HEPA vacuuming – doors open.	71.85/3.4	North	ND	Not Detected
			West	0.039	0.000052
9/9/2004	Complete HEPA vacuuming and packaging various waste streams. Also completed removing Freon from HVAC units – doors open.	157.94/3.04	North	0.022	0.000023
			West	0.012	0.000012

TABLE 1
WORK ACTIVITY AND Hi-VOL AIR MONITORING ANALYTICAL DATA

DATE	SITE ACTIVITY	AVERAGE WIND DIRECTION (DEGREES)/ VELOCITY (MPH)	Hi-VOL STATION DESIGNATION	DUST CONCENTRATION (mg/filter)	ARSENIC CONCENTRATION (mg/m^3)
9/10/2004	Begin pressure washing of the buildings and cleaning out maintenance and drain troughs – doors open.	184.56/4.07	North	0.013	0.000015
			West	0.020	0.000022
9/11/2004	Completed pressure washing of the outside of the buildings – no dust generated therefore no air sampling	NA	NA	NA	NA
9/12/2004	Sunday – no field activities	NA	NA	NA	NA
9/6, 9/7 and 98/2004	No field activities.	NA	NA	NA	NA
9/9/2004	On-site meeting with utility personnel and collection of wipe, concrete chip (Phase I) and floor sweeping samples – no dust generation therefore no air sampling.	NA	NA	NA	NA
9/10/04	No field activities	NA	NA	NA	NA
9/11 11 and 9/12/2004	Weekend – no field activities	NA	NA	NA	NA
9/13 through 917/2004	No field activities	NA	NA	NA	NA
9/17 and 9/18/2004	Weekend – no field activities	NA	NA	NA	NA
9/20/2004	Mobilization and set-up emergency shower and eye wash station – no dust generated therefore no air sampling.	NA	NA	NA	NA
9/21/2004	Begin ACM floor tile abatement, removal of windows with ACM caulk and demolition of inside break room – doors shut so no outdoor air sampling.	NA	NA	NA	NA

TABLE 1
WORK ACTIVITY AND Hi-VOL AIR MONITORING ANALYTICAL DATA

DATE	SITE ACTIVITY	AVERAGE WIND DIRECTION (DEGREES)/ VELOCITY (MPH)	Hi-VOL STATION DESIGNATION	DUST CONCENTRATION (mg/filter)	ARSENIC CONCENTRATION (mg/m^3)
9/22/2004	Complete ACM floor tile abatement, removal of windows with ACM chalk and demolition of indoor break room – doors shut so no outdoor air sampling.	NA	NA	NA	NA
9/23/2004	Strip structures of all electrical conduit and other piping prior to demolition and product line removal – no dust generated so no air sampling.	NA	NA	NA	NA
9/24/2004	General housekeeping and removal of screws holding metal siding on the south metal building – no duct generated so no air sampling.	NA	NA	NA	NA
9/25 and 9/26/2004	Weekend – no site activities	NA	NA	NA	NA
9/27/2004	Mobilization to site and inspect, drain and remove three (3) transfer pumps – no dust generated so no air sampling	NA	NA	NA	NA
9/28/2004	Begin demolition of metal portions of south and northeast metal buildings – no duct generated so no air sampling.	NA	NA	NA	NA
9/29/2004	Begin removal of footings for the south and northeast metal buildings and also concrete floor removal	80.3/2.17	North	0.034	0.000037
			West	0.039	0.000039
9/30/2004	Previously removed and packaged ACM placed in roll off and removal of the north and south vats.	172.29/3.76	North	0.057	0.000076
			West	1.9	0.0023

TABLE 1
WORK ACTIVITY AND Hi-VOL AIR MONITORING ANALYTICAL DATA

DATE	SITE ACTIVITY	AVERAGE WIND DIRECTION (DEGREES)/ VELOCITY (MPH)	Hi-VOL STATION DESIGNATION	DUST CONCENTRATION (mg/filter)	ARSENIC CONCENTRATION (mg/m^3)
10/1/2004	Demolition of the cinder block building and begin segregation of the materials for loading and transport to disposal facilities.	205.03/5.82	North	0.29	0.00041
			West	1.9	0.0025
10/2 and 10/3/2004	Weekend – no field activities	NA	NA	NA	NA
10/4/2004	Mobilization and sort debris under wet conditions, floor removal and load scrap metal – no dust generation so no air sampling	NA	NA	NA	NA
10/5/2004	Scrap metal loading and transport and removal of rails and ties – dust generated.	261.54/2.97	North	0.033	0.000057
			West	0.49	0.000786
10/6/2004	Removal of lower concrete floor from south metal building, moved hazardous waste concrete, moved cinder rubble and all footings – dust generated.	110.18/5.21	North	0.043	0.000068
			West	1.2	0.0019
10/7/2004	Complete rubble relocation and continue removing footings – rain today so no air monitoring	NA	NA	NA	NA
10/8/2004	Completed railroad spur removal and final footings – no duct generated so no air sampling	NA	NA	NA	NA
10/9 and 10/10/2004	Weekend – no field activities	NA	NA	NA	NA
10/11 and 10/12/2004	No field activities	NA	NA	NA	NA
10/13/2004	Mobilization to site.	NA	NA	NA	NA

TABLE 1
WORK ACTIVITY AND Hi-VOL AIR MONITORING ANALYTICAL DATA

DATE	SITE ACTIVITY	AVERAGE WIND DIRECTION (DEGREES)/ VELOCITY (MPH)	Hi-VOL STATION DESIGNATION	DUST CONCENTRATION (mg/filter)	ARSENIC CONCENTRATION (mg/m^3)
10/15/2004	Completed loading and transporting all building demolition debris, railroad ties/rail and concrete for disposal and general house keeping.	291.24/4.85	North	ND	Not Detected
			West	0.015	0.000023
10/16/2004	Complete loading and transporting non-hazardous concrete for disposal, removal of roll offs for disposal and general house keeping	277.09/3.75	North	0.023	0.000028
			West	0.095	0.000113
10/17/2004	Installed ¾" gravel over the entire location of the former buildings and decontaminated equipment. Site work complete – no intrusive work so no air sampling	NA	NA	NA	NA

Table 4
Waste Type and Location of Disposal
2251 Armour Road Site

Disposal Summary (Quantity & Disposition)

The following Waste Streams were generated at 2251 Armour Road and disposed of at Courtney Ridge Landfill

Waste Stream Description	***Disposal Location***	***Profile Number***	***Quantity (Tons)***
Building Demolition Debris Including ACM Roofing Components	Courtney Ridge Landfill	ASB-344	334.40
ACM Transite, ACM Floor Tile & Mastic, ACM Window Caulking	Courtney Ridge Landfill	ASB-355	0.28
Building Demolition Debris (Concrete) as Non-hazardous Solid Waste	Courtney Ridge Landfill	F48Y29734	929.98
Building Demolition Debris	Courtney Ridge Landfill	F48Y429688	40.33
Demolition generated Scrap Metal	Galamba Metals Group	NA	81.57

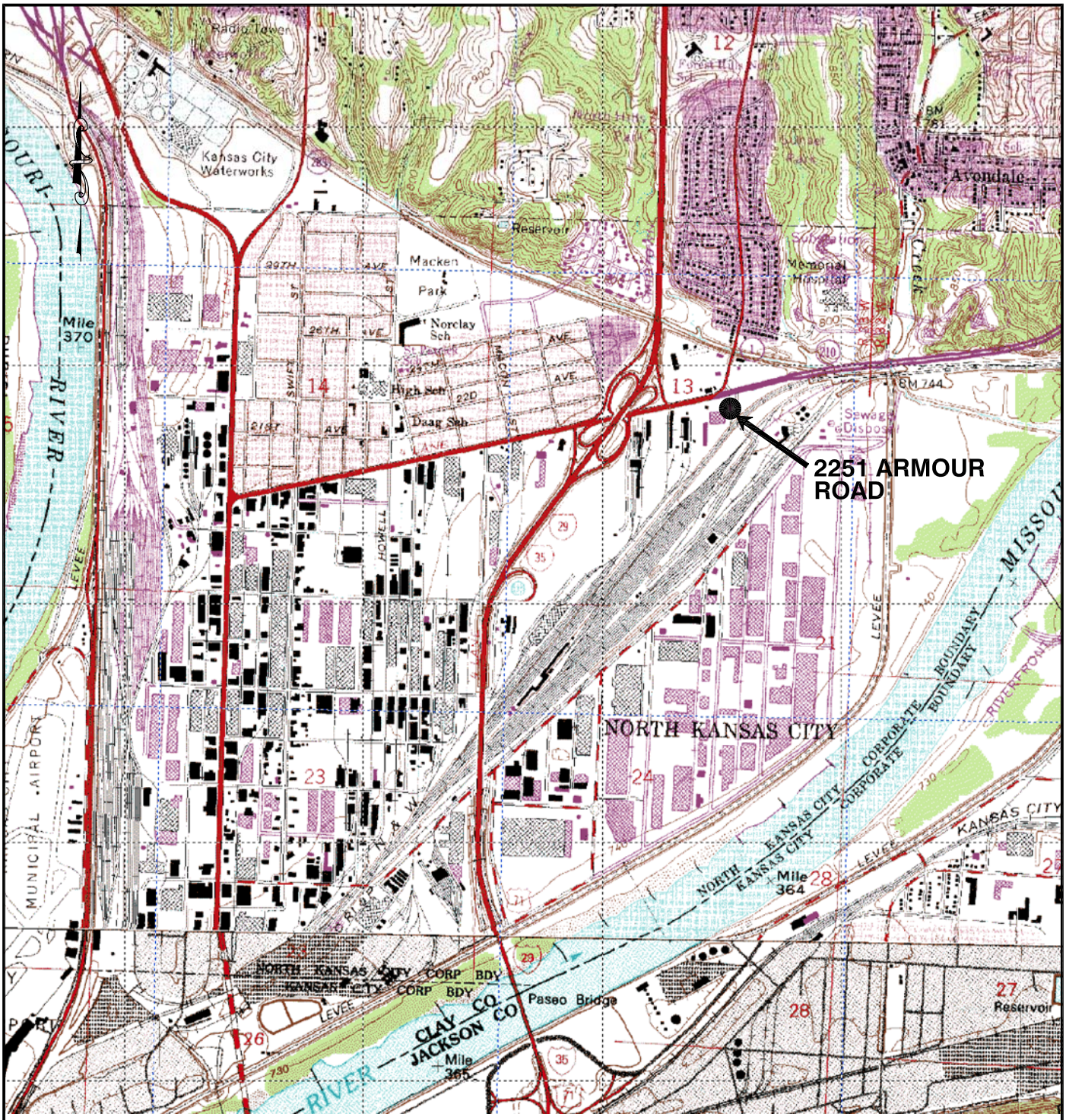
The following Waste Streams were generated at 2251 Armour Road and are awaiting disposal at the indicated disposal facility

Waste Stream Description	***PROPOSED Disposal Location***	***Profile Number***	***Quantity***
Fluorescent Bulb	HTR - Lake Ozark, MO	TBA	3 Containers
PCB Containing Ballast	HTR - Lake Ozark, MO	TBA	One 55-Gallon Drum
North Vat Sediment	Courtney Ridge Landfill	TBA	One 55-Gallon Drum
South Vat Sediment	EQ - Belleville, MI	TBA	One 55-Gallon Drum
South Trough (South Metal Addition) Sediment	Courtney Ridge Landfill	TBA	Two 55-Gallon Drums
North Trough (Main Block Building) Sediment	Courtney Ridge Landfill	TBA	Two 55-Gallon Drums
East Trough (East Metal Addition) Sediment	Courtney Ridge Landfill	TBA	One 55-Gallon Drum
Suspected Burn Barrel (East Metal Addition)	Courtney Ridge Landfill	TBA	One 55-Gallon Drum (OP)
Loose Debris (Pre-HEPA Vacuum Clean Up)	Courtney Ridge Landfill	TBA	Three Wrangler Boxes (1 CY Each)
Vacuum (HEPA) Sweepings	EQ - Belleville, MI	TBA	One Wrangler Box (1 CY Each)

TABLE 5

Analytical Data For Background Soil Samples

Sample Designation	Sample Location	Sample Date	Total Arsenic Concentration (mg/kg-ppm)
BKRD-S-01	Southeast Corner of Bedford & Ozark St.	09/07/2004	3.61
BKRD-S-02	Southwest Corner of Bedford & Saline St.	09/07/2004	4.51
BKRD-S-03	Southwest Corner of Bedford & Taney St.	09/07/2004	4.48
BKRD-S-04	Southwest Corner of Bedford & Vernon St.	09/07/2004	5.46
BKRD-S-05	Southwest Corner of Bedford & Warren St.	09/07/2004	4.05
BKRD-S-06	Southeast Corner of 15th & Warren Ave.	09/07/2004	3.7
BKRD-S-07	Northwest Corner of Vernon & Levee Rd.	09/07/2004	3.26
BKRD-S-08	Southeast Corner of 15th & Taney St.	09/07/2004	4.95
BKRD-S-09	Southeast Edge of Ramp from I-35 to 16th	09/21/2004	4.22
BKRD-S-10	Northeast Corner of 16th & Iron	09/21/2004	8.08
BKRD-S-11	Southeast Corner of 18th & Iron	09/21/2004	4.38
BKRD-S-12	Southeast Corner of 18th & Linn	09/21/2004	4.39
BKRD-S-13	Southeast Corner of Linn & Armour Rd.	09/21/2004	71.2
BKRD-S-14	East Side of Ramp from I-35 to Armour Rd.	09/21/2004	6.43



SOURCE: USGS 7.5 MIN. TOPOGRAPHIC MAPS, NORTH KANSAS CITY AND KANSAS CITY, MISSOURI–KANSAS QUADRANGLES

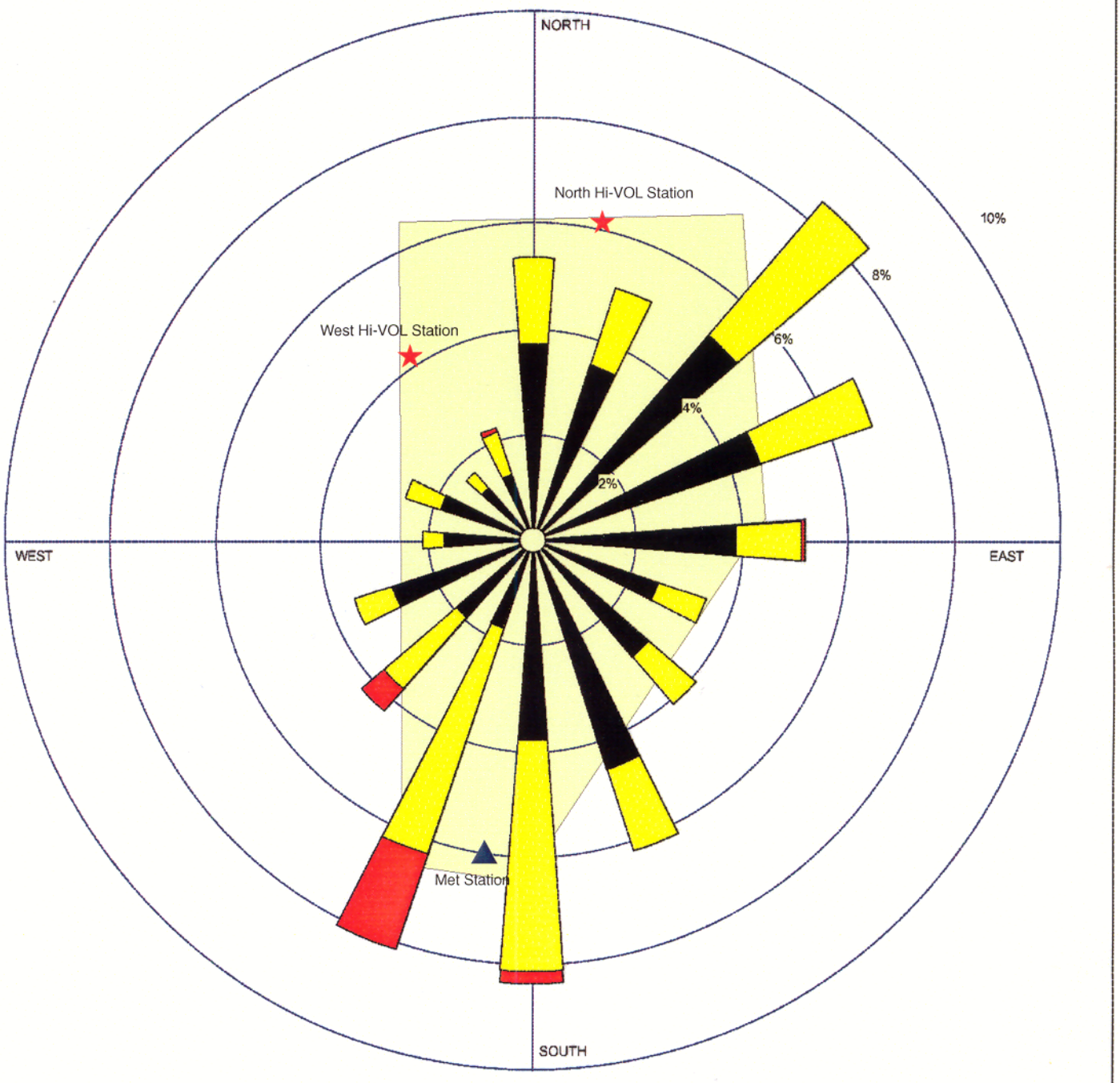
0 2000
SCALE IN FEET

URS	Project No. 51–00111050.02 2251 Armour Road Site	**SITE LOCATION MAP 2251 ARMOUR ROAD NORTH KANSAS CITY, MISSOURI**	Figure **1**

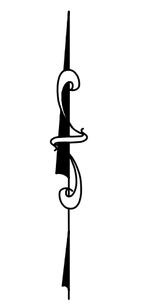
J:\US Borax\26814574.00002\FIGURE 1.dwg

WIND ROSE PLOT

Station #1 - Missouri



Wind Speed (Knots) > 21 17 - 21 11 - 16 7 - 10 4 - 6 1 - 3	MODELER **MKE**	DATE **10/29/2004**	COMPANY NAME **URS**
	DISPLAY **Wind Speed**	UNIT **Knots**	COMMENTS **Figure 2 Wind Rose Plot 2251 Armour Road Site North Kansas City, Missouri**
	AVG. WIND SPEED **3.30 Knots**	CALM WINDS **22.46%**	
	ORIENTATION **Direction (blowing from)**	PLOT YEAR-DATE-TIME **2004 Aug 26 - Oct 19 Midnight - 11 PM**	PROJECT/PLOT NO. **26814822**



0 10
SCALE IN FEET

KEY

- △ WIPE SAMPLE
- X CONCRETE CHIP SAMPLE – FLOOR(SURFACE UNLESS NOTED)
- ▭ CONCRETE CHIP SAMPLE – WALL

ND = NOT DETECTED

WP – WIPE SAMPLES ANALYZED FOR TOTAL ARSENIC WITH CONCENTRATIONS IN PARTS PER BILLION (PPB)

CC – CONCRETE CHIP SAMPLES ANALYZED FOR TCLP ARSENIC WITH CONCENTRATIONS IN PARTS PER MILLION (PPM)

CC–XXB – CONCRETE CHIP SAMPLES COLLECTED AT A DEPTH OF 1.5" TO 2" INTO THE CONCRETE FLOOR.

HAZARDOUS WASTE CONCRETE BOUNDARY

J:\US BORAX\26814574.00002\04090\dwg\Sample Results Map.dwg

URS

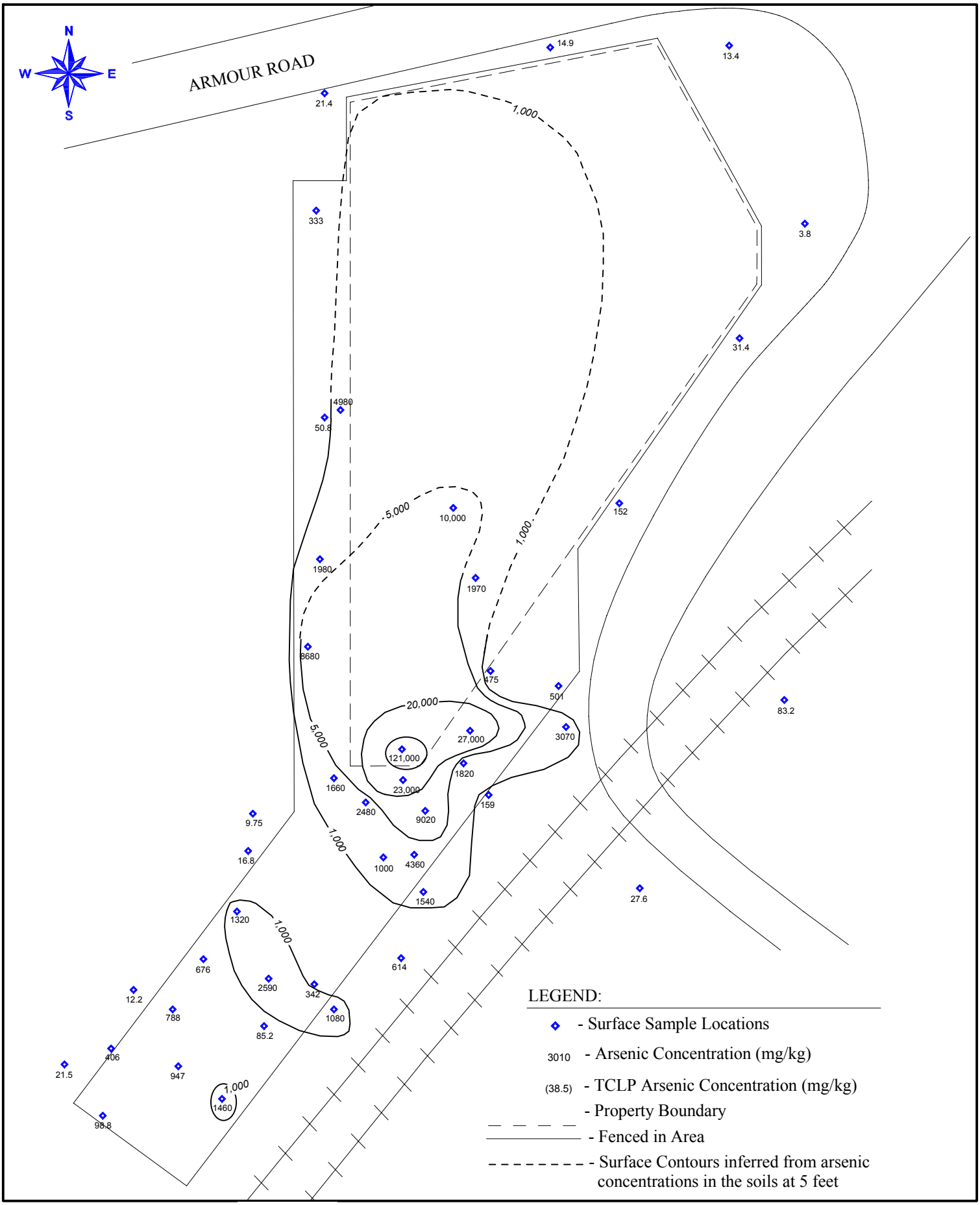
Project No. 26814822

2251 Armour Road Site

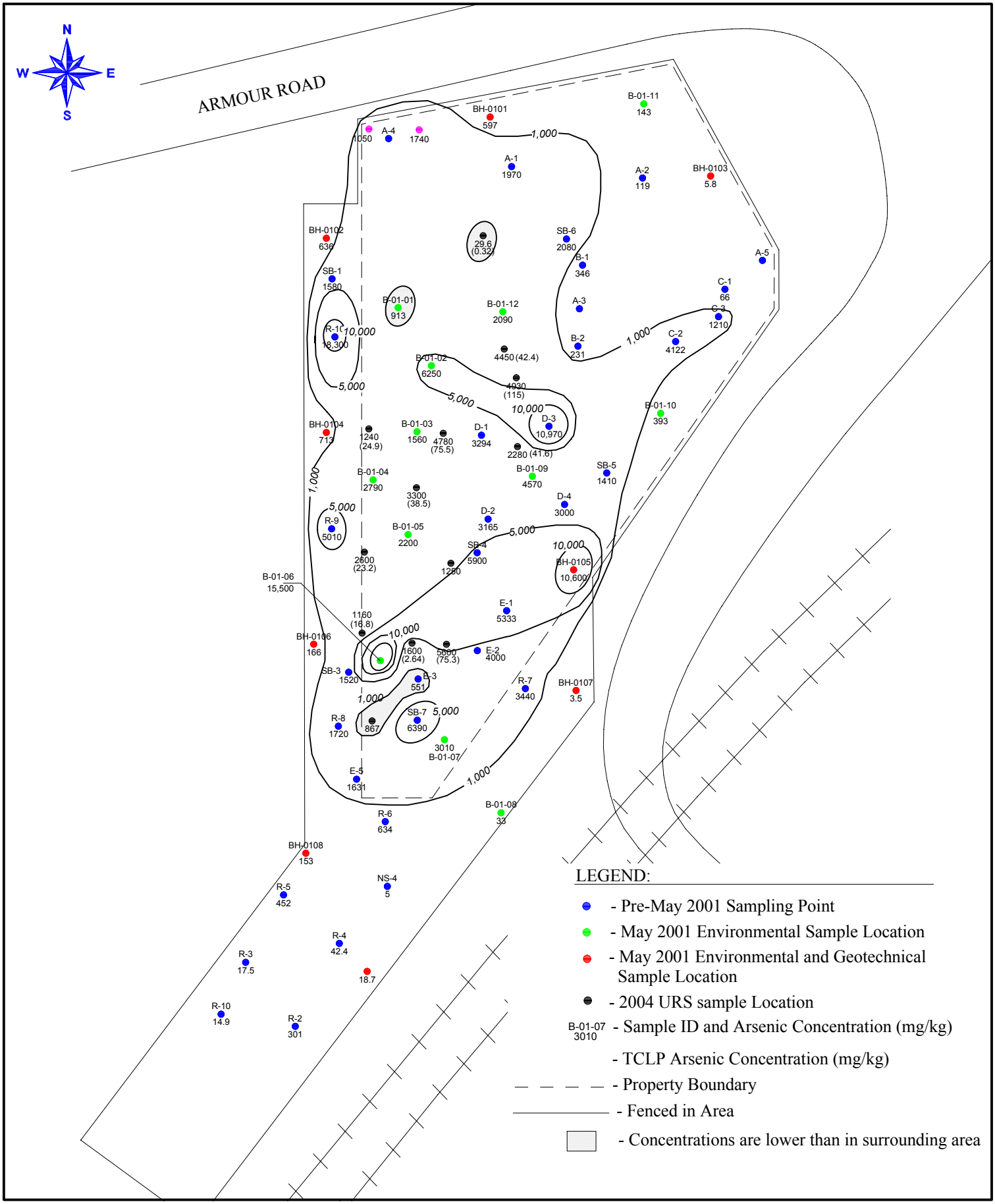
SAMPLE RESULTS MAP

Concrete and Wipe

Figure **3**



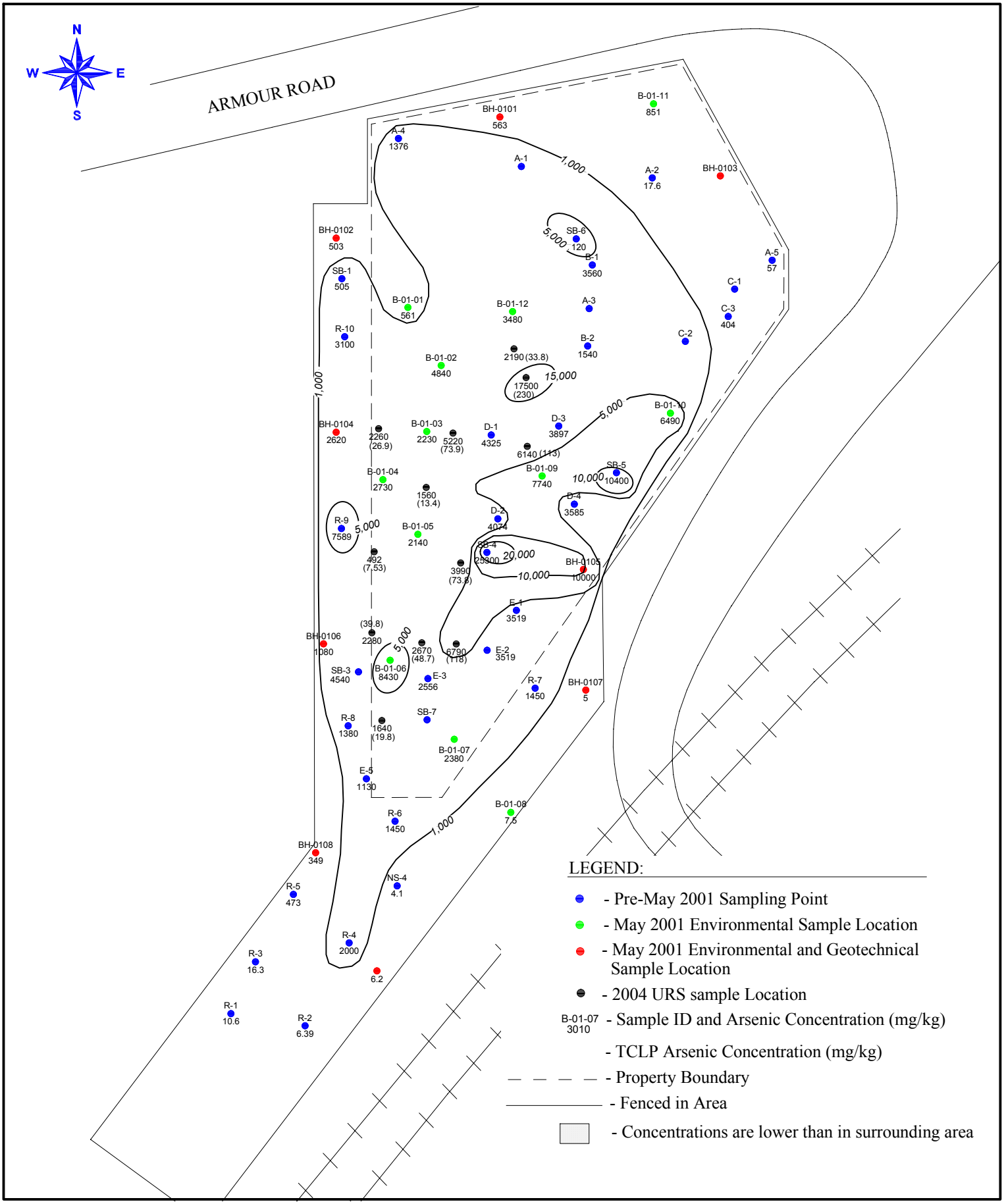
URS	Armour Road Site North Kansas City, Missouri URS Job #: 26814822	**Figure 4** **Arsenic Concentrations at the Surface**



URS

Armour Road Site
North Kansas City, Missouri
URS Job #: 26814822

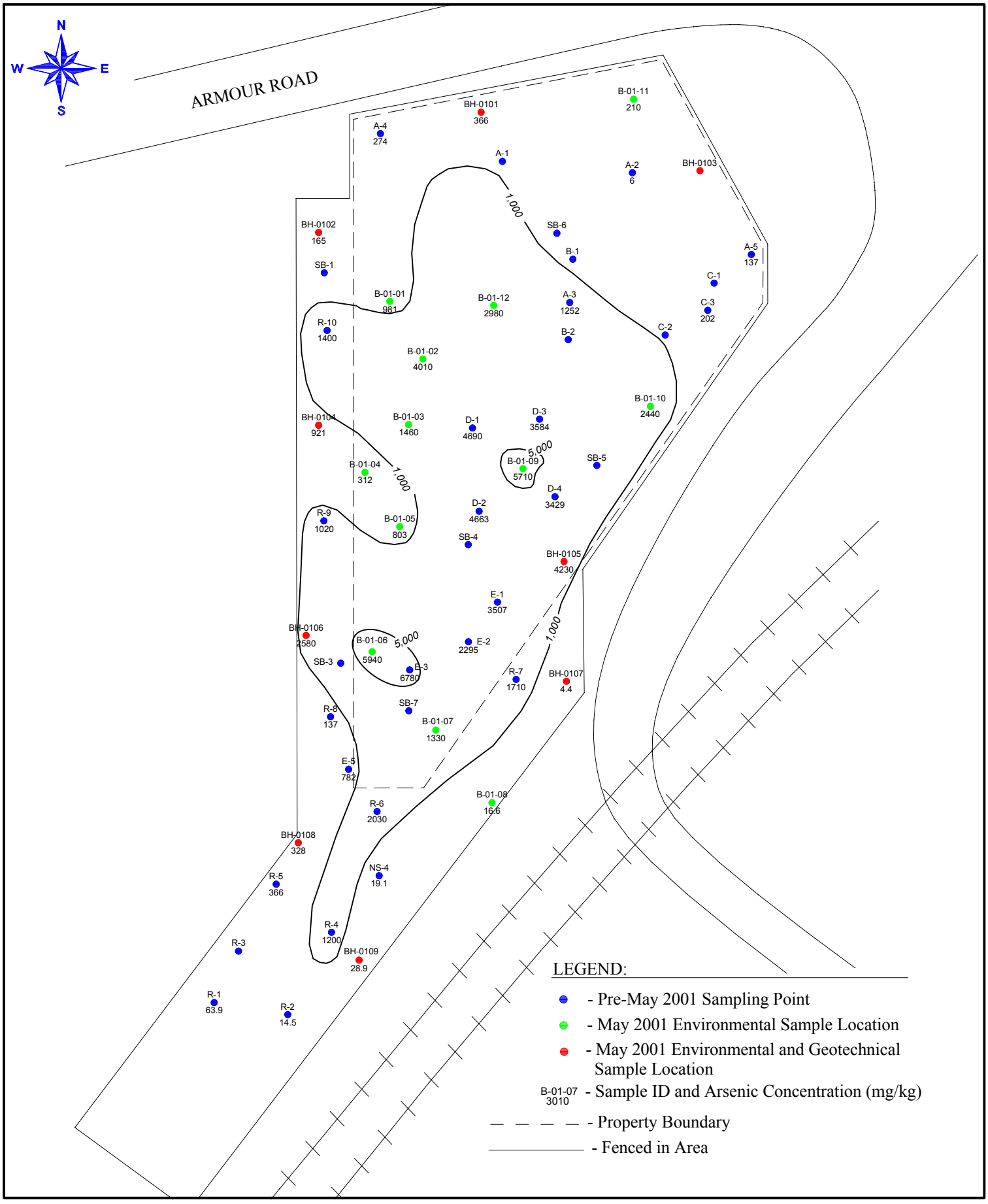
Figure 5
Arsenic Concentrations at the 5-foot Depth



URS

Armour Road Site
North Kansas City, Missouri
URS Job #: 26814822

Figure 6
Arsenic Concentrations at the 10-foot Depth



URS

Armour Road Site
North Kansas City, Missouri
URS Job #: 26814822

Figure 7
Arsenic Concentrations at the 15-foot Depth

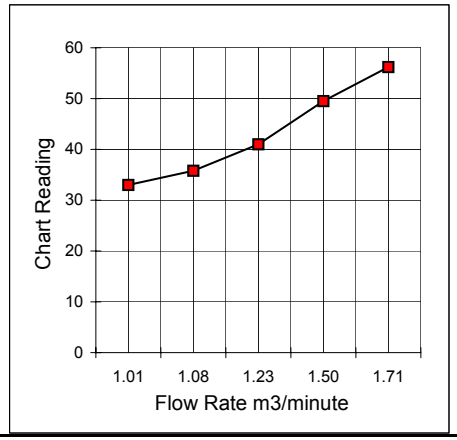
TSP Calibration Data

(enter values highlighted in red)

Sampler SN:	288	**Bar. Pressure:**	750	mm Hg	**Orifice s/n:**	F95
Date:	8/26/2004	**Temperature:**	69.5	F	**Slope:**	0.9925
Time:	11:00	**Temperature:**	20.8	C	**Intercept:**	-0.0108
					Correlation:	0.9999

Sampler ID: US Borax

Chart Reading	Orifice Manometer Inches H2O	Corrected Chart	Corrected Orifice	Calculated Flow (Qa) m3/min
33	2.53	3.77	1.00	1.01
35.8	2.85	3.93	1.06	1.08
41	3.75	4.21	1.21	1.23
49.5	5.55	4.62	1.47	1.50
56.2	7.30	4.93	1.69	1.71



Sampler Regression Data

Slope:	1.6201
Intercept:	2.1758
Correlation:	0.9975
	0.99500

Calibration Set Point:

44 <set sampler to operate at this chart reading to obtain 1.35 m3/minute nomin

Flow Rate Calculation for Individual Sample Events: *(enter values highlighted in red)*

Flow Rate Calculation:	Chart Reading	47.5		Corrected Chart	I
	Temperature	20.8	deg C	4.53	
	Pressure	750	mm Hg		r

Sample volume in cubic meters is calculated as (Sample Flow Rate in cubic meters per minute)*(Sample Time in r

Calibrated by: AAM Cost Center

Reference: EPA Method IO-2, June 1999. Actual flowrates calculated for a linear recorder cha

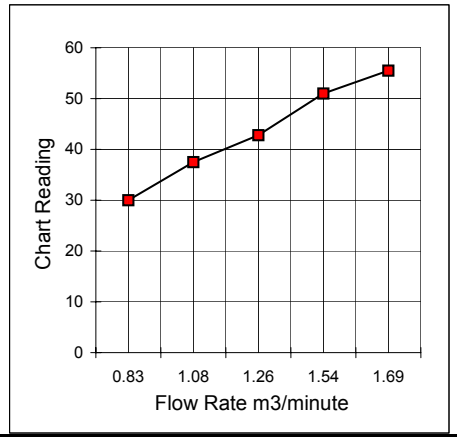
TSP Calibration Data

(enter values highlighted in red)

Sampler SN:	**451**	**Bar. Pressure:**	**760**	**mm Hg**	**Orifice s/n:**	**F95**
Date:	**8/26/2004**	**Temperature:**	**80.0**	**F**	**Slope:**	**0.9925**
Time:	**10:30**	**Temperature:**	26.7	**C**	**Intercept:**	**-0.0108**
					Correlation:	**0.9999**

Sampler ID: US Borax

Chart Reading	Orifice Manometer Inches H2O	Corrected Chart	Corrected Orifice	Calculated Flow (Qa) m3/min
30	**1.68**	3.61	0.81	0.83
37.5	**2.83**	4.03	1.06	1.08
42.8	**3.90**	4.31	1.24	1.26
51	**5.85**	4.70	1.52	1.54
55.5	**7.05**	4.91	1.67	1.69



Sampler Regression Data

Slope:	1.4972
Intercept:	2.3959
Correlation:	0.9986
	0.99500

Calibration Set Point:

45 <set sampler to operate at this chart reading to obtain 1.35 m3/minute nomin

Flow Rate Calculation for Individual Sample Events: *(enter values highlighted in red)*

Chart Reading	**43**		Corrected Chart	I
Temperature	**26.7**	deg C	4.32	
Pressure	**760**	mm Hg		r

Sample volume in cubic meters is calculated as (Sample Flow Rate in cubic meters per minute)*(Sample Time in r

Calibrated by: AAM Cost Center

Reference: EPA Method IO-2, June 1999. Actual flowrates calculated for a linear recorder cha

KEY

Item	Description
WS	Wind Speed in Knots
PK	Peak Wind Speed in Knots
RF	Rainfall in Inches
BP	Barometric Pressure in Inches of Hg
RH	Relative Humidity
TP	Temperature in Degrees Fahrenheit
WD	Wind Direction in Degrees from the Direction the Wind is Blowing

weatherborax

DATE	TIME	WS	PK	RF	BP	RH	TP	WD
26-Aug	17:00	0.092	6	0	28.75	45.69	96.25	167.44
26-Aug	18:00	9.23	19.25	0	28.75	46.81	95.25	195
26-Aug	19:00	7.39	20	0	28.73	50.06	94	203.81
26-Aug	20:00	7.44	16.75	0	28.76	54.25	91.06	212.5
26-Aug	21:00	6.95	15	0	28.79	58.81	88.81	211.25
26-Aug	22:00	8.02	17.75	0	28.81	62.5	87.25	212.5
26-Aug	23:00	7.77	18	0	28.83	64	86.19	216.19
27-Aug	0:00	8.04	20	0	28.84	63.69	85.75	216.81
27-Aug	1:00	7.17	19	0	28.86	63.88	85.31	220.69
27-Aug	2:00	6.9	18.25	0	28.88	64.31	84.88	226.19
27-Aug	3:00	5.6	13.75	0	28.9	66.06	84.06	227.88
27-Aug	4:00	5.54	16	0	28.92	66.94	83.38	227.94
27-Aug	5:00	4.24	13.5	0	28.93	68.94	82.44	230.31
27-Aug	6:00	2.34	9.5	0	28.96	71.12	81.38	238.88
27-Aug	7:00	1.74	7.25	0	28.98	73.06	80.5	249.38
27-Aug	8:00	1.69	7	0	28.99	72.19	81.25	241.5
27-Aug	9:00	2.4	7.75	0	28.99	67.19	83.5	242.69
27-Aug	10:00	3.86	12.5	0	28.98	63.44	85.19	245.62
27-Aug	11:00	4.73	12.5	0	28.97	57.38	88.25	240
27-Aug	12:00	4.56	13	0	28.95	52.06	91.19	239.44
27-Aug	13:00	4.01	10.5	0	28.94	49.5	92.75	235.94
27-Aug	14:00	3.31	10.5	0	28.95	50.94	92.44	229.81
27-Aug	15:00	4.01	10.75	0	28.93	49.44	93.56	209.56
27-Aug	16:00	3.31	9	0	28.92	52.38	92.31	215.81
27-Aug	17:00	4.01	10	0	28.91	54.25	92.44	200.06
27-Aug	18:00	3.44	7.75	0	28.93	60.38	90.94	180.81
27-Aug	19:00	2.44	12.25	0	28.94	67.75	87.88	165.5
27-Aug	20:00	6.95	19.25	0	29.04	85.69	71.94	228.5
27-Aug	21:00	4.45	15	0	29.07	96.38	70.19	218.31
27-Aug	22:00	4.61	15	0	29.14	98.19	69.38	331.88
27-Aug	23:00	4.34	13	0	29.19	99.94	68.19	231.31
28-Aug	0:00	3.37	9	0	29.19	100	68.88	133.12
28-Aug	1:00	2.07	6.25	0	29.16	100	68.81	54.5
28-Aug	2:00	0.82	3.25	0	29.15	100	68.94	62.44
28-Aug	3:00	1.25	6.25	0	29.19	100	69.38	24
28-Aug	4:00	2.82	16.25	0	29.17	100	69.5	99.19
28-Aug	5:00	1.69	7.5	0	29.16	100	69.5	8.69
28-Aug	6:00	0.49	4.25	0	29.19	100	69.5	322.75
28-Aug	7:00	0.27	2.5	0	29.19	100	69.62	324.5
28-Aug	8:00	0.38	3	0	29.2	100	69.81	306.19
28-Aug	9:00	0.82	4.75	0	29.21	100	70.12	311.88
28-Aug	10:00	2.82	9.75	0	29.21	100	69.06	355.94
28-Aug	11:00	3.58	11.25	0	29.23	99.69	68.88	10.25
28-Aug	12:00	2.82	8.25	0	29.23	91.38	72.06	357.31
28-Aug	13:00	3.37	9.25	0	29.2	73.88	76.69	6.12
28-Aug	14:00	3.64	10.75	0	29.17	62	79.69	6.38
28-Aug	15:00	3.96	11	0	29.16	59.69	80	13.06
28-Aug	16:00	3.37	8.5	0	29.16	57.38	80.31	8.38
28-Aug	17:00	3.37	11.75	0	29.14	54	80.31	13.5
28-Aug	18:00	3.15	14.25	0	29.14	55.12	79.75	5.5
28-Aug	19:00	2.94	11.25	0	29.17	58.69	77.81	22.56
28-Aug	20:00	1.74	7	0	29.21	64.44	74.44	24.75
28-Aug	21:00	0.65	5	0	29.26	72.12	71.56	35.06
28-Aug	22:00	0.49	4	0	29.29	75.56	69.88	35.81
28-Aug	23:00	0.49	5	0	29.31	76.62	68.5	37.38
29-Aug	0:00	0.33	3.25	0	29.33	79.81	66.88	24
29-Aug	1:00	0	1.25	0	29.34	83.69	65.19	1.31
29-Aug	2:00	0	2	0	29.35	88.75	63.25	329.25
29-Aug	3:00	0.01	2	0	29.35	92.19	62.12	311.94
29-Aug	4:00	0	0	0	29.35	94.19	61.06	299.75
29-Aug	5:00	0	1	0	29.36	96.69	59.69	306.56
29-Aug	6:00	0.05	1.5	0	29.37	98.44	59	306.56

29-Aug	7:00	0.06	2.75	0	29.38	99.25	58.44	29.44
29-Aug	8:00	0.81	3.25	0	29.39	99.44	60.44	56.25
29-Aug	9:00	1.5	5.25	0	29.34	90.88	65.75	81.94
29-Aug	10:00	1.19	5.5	0	29.34	84.31	67.31	86.5
29-Aug	11:00	2.25	6.25	0	29.33	76.88	71.19	77.5
29-Aug	12:00	2.25	6.75	0	29.3	69.25	73.81	81.44
29-Aug	13:00	2.5	6.75	0	29.27	57.94	77.5	123.38
29-Aug	14:00	2.5	7.25	0	29.25	52.75	78.81	111.56
29-Aug	15:00	1.56	5	0	29.24	49.25	78.94	30.06
29-Aug	16:00	2.25	5.75	0	29.22	45.88	80.56	49.19
29-Aug	17:00	1.88	5.75	0	29.22	48	79.19	64.44
29-Aug	18:00	2.75	6	0	29.2	47.12	80	78.12
29-Aug	19:00	2.94	6	0	29.2	49.25	78.75	81.38
29-Aug	20:00	2.31	5.25	0	29.22	55.88	75.5	134.62
29-Aug	21:00	0.62	3.75	0	29.26	67.12	71.38	113.94
29-Aug	22:00	0.12	1.25	0	29.29	79.75	67.31	101
29-Aug	23:00	0.12	2	0	29.33	83.69	65.5	93.06
30-Aug	0:00	0.69	2.5	0	29.36	83.94	64.94	12.44
30-Aug	1:00	0.5	3.75	0	29.37	87.56	63.69	26.44
30-Aug	2:00	0.25	2	0	29.38	88.75	63.12	33.56
30-Aug	3:00	0.88	3	0	29.38	92.81	62.31	62.25
30-Aug	4:00	1.12	4.25	0	29.38	91.81	63.19	97
30-Aug	5:00	1.75	6.75	0	29.36	83	65.06	186.88
30-Aug	6:00	1.44	6.25	0	29.38	83.81	64.19	232.31
30-Aug	7:00	1.06	6.75	0	29.4	82.25	65.19	261.31
30-Aug	8:00	2.19	7.25	0	29.39	81.5	66	203.44
30-Aug	9:00	2	5	0	29.39	79.19	67.19	172.75
30-Aug	10:00	2.62	6.75	0	29.36	68.56	72.5	217.12
30-Aug	11:00	4	10.5	0	29.33	59.19	76.81	236.88
30-Aug	12:00	5.75	12.25	0	29.31	51.44	80.94	232.31
30-Aug	13:00	4.62	12	0	29.29	49.25	83	241.44
30-Aug	14:00	3.62	13.25	0	29.27	46.69	84.81	257.25
30-Aug	15:00	3.25	9.5	0	29.27	46.19	85.56	243.62
30-Aug	16:00	2.5	9	0	29.26	45	86.62	269.81
30-Aug	17:00	2.12	7.5	0	29.25	45.12	86.69	290.69
30-Aug	18:00	1.75	5.75	0	29.26	50.38	84.31	359.38
30-Aug	19:00	1.19	3.5	0	29.27	51.62	83.31	356.31
30-Aug	20:00	0.31	2.25	0	29.3	64.62	78.94	357.19
30-Aug	21:00	0	1.5	0	29.34	77.5	74	356.81
30-Aug	22:00	0.12	1.75	0	29.37	82.25	72.12	356.81
30-Aug	23:00	0	1.25	0	29.39	85.31	70.56	356.94
31-Aug	0:00	0	0	0	29.42	88.25	69.5	358.5
31-Aug	1:00	0.19	3.25	0	29.44	90.12	68.5	3.69
31-Aug	2:00	0.19	1.75	0	29.45	91.94	67.62	27.12
31-Aug	3:00	0.06	2.25	0	29.46	94.75	66.38	28.69
31-Aug	4:00	0	0	0	29.46	96.5	66.5	42.31
31-Aug	5:00	0	0	0	29.46	97.31	66.19	43.81
31-Aug	6:00	0	2	0	29.46	98.19	66.38	46.38
31-Aug	7:00	0.19	1.75	0	29.46	98	67.56	73.62
31-Aug	8:00	0.88	3.75	0	29.46	96.38	69.25	97.56
31-Aug	9:00	1.25	3.25	0	29.45	85.44	73.06	85.5
31-Aug	10:00	1.38	5.25	0	29.41	67.94	79.12	138.12
31-Aug	11:00	3.12	7.75	0	29.39	55.94	83.31	233.38
31-Aug	12:00	2.88	10	0	29.37	49.81	85.94	220.69
31-Aug	13:00	3	10	0	29.35	47.81	86.69	212.06
31-Aug	14:00	3.56	9	0	29.34	49.38	86.62	166.06
31-Aug	15:00	3.69	9.5	0	29.33	48.44	86.94	188.56
31-Aug	16:00	3.44	8.75	0	29.31	48.19	86.5	151.25
31-Aug	17:00	3.38	7.75	0	29.3	46.5	87.19	174.19
31-Aug	18:00	3.25	6.75	0	29.3	50.5	85.56	171.19
31-Aug	19:00	3	6.75	0	29.32	54.25	83.69	151.12
31-Aug	20:00	2.06	5	0	29.34	58.88	81.81	152.38
31-Aug	21:00	1.12	3.25	0	29.38	71.31	77.31	49.31

31-Aug	22:00	1	2.25	0	29.41	77.81	75	60.5
31-Aug	23:00	1.06	3.5	0	29.42	78.94	74.06	68.88
1-Sep	0:00	0.94	4.25	0	29.44	78.06	73.5	130.31
1-Sep	1:00	1.75	4.75	0	29.44	74	74	150.88
1-Sep	2:00	0.62	4.25	0	29.45	73.62	73.06	143.06
1-Sep	3:00	0.69	4	0	29.46	81	70.56	121
1-Sep	4:00	0.31	2	0	29.46	84.75	69	43.56
1-Sep	5:00	0.38	4	0	29.47	87.88	68.06	47.31
1-Sep	6:00	0.12	2.75	0	29.48	87.44	67.88	45.25
1-Sep	7:00	0.12	1.5	0	29.5	90.38	66.75	42.62
1-Sep	8:00	0.25	1.5	0	29.51	89.94	67.25	42.62
1-Sep	9:00	0.31	2	0	29.47	77.31	73.75	42.81
1-Sep	10:00	1.81	6.25	0	29.42	60.31	79.31	232.31
1-Sep	11:00	2.62	13	0	29.4	52.06	83.56	219.12
1-Sep	12:00	2.81	6.75	0	29.39	51.38	83.25	242.44
1-Sep	13:00	2.88	7.25	0	29.36	47.5	85.06	198.88
1-Sep	14:00	2.25	6.25	0	29.34	46.56	85.75	188.94
1-Sep	15:00	2.62	6.25	0	29.32	43.62	86.5	152.69
1-Sep	16:00	2.75	6.75	0	29.29	37.06	87.94	145.62
1-Sep	17:00	3.06	7.5	0	29.28	38.75	87.81	168.75
1-Sep	18:00	3.06	7.25	0	29.27	39.69	87.44	158.88
1-Sep	19:00	2.69	6.5	0	29.29	43.31	86.25	162.56
1-Sep	20:00	2.31	5.5	0	29.31	51.81	82.19	161.44
1-Sep	21:00	1.12	4.25	0	29.34	64.38	77.5	96.56
1-Sep	22:00	0.44	1.75	0	29.38	77.88	72.25	80
1-Sep	23:00	0.12	1.75	0	29.4	82.38	70.38	79.94
2-Sep	0:00	0.5	1.75	0	29.41	87.38	69.38	50.56
2-Sep	1:00	0	1.25	0	29.41	89	68	49.5
2-Sep	2:00	0	0	0	29.41	92.62	66.5	49.56
2-Sep	3:00	0	0	0	29.41	94	66.06	49.56
2-Sep	4:00	0.06	2	0	29.41	95.06	65.12	49.38
2-Sep	5:00	0.75	2.75	0	29.41	95.12	65.5	48.12
2-Sep	6:00	1	3.75	0	29.39	91.31	66.94	130.25
2-Sep	7:00	0.81	4.5	0	29.39	89.75	66.94	172.31
2-Sep	8:00	0.81	2.75	0	29.38	87.75	68.56	76.38
2-Sep	9:00	1.94	4.25	0	29.34	79.5	72.25	121.5
2-Sep	10:00	1.94	5	0	29.31	67.88	77.06	130.75
2-Sep	11:00	2.25	6	0	29.27	59.12	81.38	127
2-Sep	12:00	2.56	6.75	0	29.24	48.94	85.56	168.69
2-Sep	13:00	3.62	11.25	0	29.21	42.25	87.5	205
2-Sep	14:00	4.44	10	0	29.2	41.75	87.19	168.62
2-Sep	15:00	4.69	11	0	29.18	43.06	86.62	161.5
2-Sep	16:00	4.56	10	0	29.17	42.12	86.75	166.25
2-Sep	17:00	5.5	11.75	0	29.14	40.94	87.06	185.44
2-Sep	18:00	5.56	12.25	0	29.14	41.19	86.38	194.06
2-Sep	19:00	4.31	9.5	0	29.16	47.12	83.81	162.75
2-Sep	20:00	3	7	0	29.17	54.62	80.44	159.88
2-Sep	21:00	2.75	6.5	0	29.2	60.88	77.88	146.56
2-Sep	22:00	2.56	6.75	0	29.23	65.12	75.88	141.31
2-Sep	23:00	3.5	8	0	29.24	67.31	74.56	135.38
3-Sep	0:00	2.31	6.75	0	29.26	69.75	72.81	133.12
3-Sep	1:00	1.62	6	0	29.27	70	71.69	132.12
3-Sep	2:00	1.56	6.5	0	29.27	71.81	70.81	108.81
3-Sep	3:00	0.88	5.75	0	29.28	78.69	68.38	49.31
3-Sep	4:00	0.31	4.75	0	29.29	85.88	66.12	31.06
3-Sep	5:00	1.31	3.75	0	29.3	86.38	66.69	105.06
3-Sep	6:00	1	4	0	29.31	88.25	65.88	108.44
3-Sep	7:00	1.38	3.75	0	29.31	86.38	66.31	119.69
3-Sep	8:00	1.44	5	0	29.31	82.69	67.62	157.94
3-Sep	9:00	1.31	5	0	29.28	74.38	71.25	116.56
3-Sep	10:00	2.12	5.75	0	29.26	66.94	75	246.88
3-Sep	11:00	2.31	7	0	29.23	55.88	81.25	228.81
3-Sep	12:00	2.44	9	0	29.19	51.62	84.06	145.94

3-Sep	13:00	4.25	9.25	0	29.16	46.5	87.12	179.31
3-Sep	14:00	4.62	11.5	0	29.14	43.69	89.06	211
3-Sep	15:00	4.88	11.5	0	29.14	43.94	88.5	186.06
3-Sep	16:00	4	10.25	0	29.13	46.31	87.44	149.88
3-Sep	17:00	4.5	11.25	0	29.13	44.62	87.38	186.5
3-Sep	18:00	4.88	10	0	29.13	45.81	85.94	170.44
3-Sep	19:00	4.25	10	0	29.15	51.06	84.06	165.94
3-Sep	20:00	3.38	8.25	0	29.17	58.25	81.56	150.5
3-Sep	21:00	2.75	6.75	0	29.2	62.12	79.62	150
3-Sep	22:00	2.25	7.25	0	29.22	66.19	78.12	123.69
3-Sep	23:00	2.62	7.25	0	29.23	67.62	77	124.81
4-Sep	0:00	2.69	6	0	29.24	67.44	76.31	130.44
4-Sep	1:00	3.38	7.75	0	29.25	68.81	75.56	138
4-Sep	2:00	1.75	6	0	29.26	71.88	74.19	140.38
4-Sep	3:00	0.69	3	0	29.27	79.44	71.31	58.06
4-Sep	4:00	1.12	4.5	0	29.29	82	71.25	99.31
4-Sep	5:00	1	4.75	0	29.29	82	70.88	165.31
4-Sep	6:00	1.06	4.25	0	29.29	81.25	71.25	140.75
4-Sep	7:00	1.62	5.25	0	29.31	85.38	70	109.62
4-Sep	8:00	1.69	5.75	0	29.32	83.88	71.19	165.56
4-Sep	9:00	1.5	4.75	0	29.29	74.38	75.94	229.38
4-Sep	10:00	2.88	8.75	0	29.27	68.62	78.88	240.69
4-Sep	11:00	3.81	9.75	0	29.25	61.75	83.31	230.06
4-Sep	12:00	4.5	11.75	0	29.23	57	86.12	209.06
4-Sep	13:00	5.56	12.75	0	29.19	53.19	87.81	204.12
4-Sep	14:00	6.06	12.75	0	29.16	50.06	89.25	192.5
4-Sep	15:00	6.19	14	0	29.15	49.31	89.38	194.75
4-Sep	16:00	6.12	14	0	29.13	51.25	88.44	184.75
4-Sep	17:00	6	13	0	29.13	52.88	87.69	186.12
4-Sep	18:00	4.88	11.5	0	29.14	54.31	87.06	165
4-Sep	19:00	4.94	10.25	0	29.14	57.38	85.56	166.62
4-Sep	20:00	3.5	8	0	29.15	62.5	83.19	158.69
4-Sep	21:00	3.38	8	0	29.17	67.06	81.12	137.62
4-Sep	22:00	3	7	0	29.19	70.12	79.62	143.38
4-Sep	23:00	3.56	9.5	0	29.19	71.25	78.75	151.56
5-Sep	0:00	3.88	10	0	29.2	71.31	78.31	156.5
5-Sep	1:00	3.94	9.75	0	29.2	72.06	77.56	181.12
5-Sep	2:00	4.38	10.75	0	29.21	73	76.88	194.5
5-Sep	3:00	3.44	9.25	0	29.21	74.56	76.06	188.81
5-Sep	4:00	3.44	8.75	0	29.21	77.06	75	190.31
5-Sep	5:00	3.44	8.25	0	29.21	79.25	74.19	175.12
5-Sep	6:00	2.88	6.75	0	29.22	81.88	73.31	186.12
5-Sep	7:00	2.19	7.25	0	29.22	82.81	73.31	194
5-Sep	8:00	2.38	5.75	0	29.22	83	73.62	181.69
5-Sep	9:00	2.69	7.5	0	29.17	77.31	77.06	179.38
5-Sep	10:00	4.75	13	0	29.14	72.81	79.56	194.38
5-Sep	11:00	6.5	12.75	0	29.11	67.69	82.62	194.19
5-Sep	12:00	7.25	16.75	0	29.07	61.06	86.31	207.81
5-Sep	13:00	7.69	15	0	29.04	59.94	86.75	212.06
5-Sep	14:00	7.56	17.25	0	29.03	60.25	87.25	197.25
5-Sep	15:00	9.12	21.25	0	28.99	53.81	89.31	204.81
5-Sep	16:00	9	17.75	0	28.97	53.38	89.38	193.94
5-Sep	17:00	9.38	18	0	28.96	54.62	88.94	195.19
5-Sep	18:00	7.5	17	0	28.95	60.56	87	182.12
5-Sep	19:00	7.12	18.25	0	28.96	66.06	84.38	173.62
5-Sep	20:00	7.88	18.5	0	28.96	69.75	82.56	186.88
5-Sep	21:00	6.44	16.25	0.65	29.01	78.25	78.19	228
5-Sep	22:00	4.25	11	0.01	29.08	98.25	70.56	200.44
5-Sep	23:00	2.12	6.5	0.01	29.1	97.88	70.81	185.75
6-Sep	0:00	2.62	8	0	29.11	97.75	71.81	224.62
6-Sep	1:00	2.94	8.75	0	29.12	95.56	72	241.25
6-Sep	2:00	3.56	11.5	0	29.15	78.5	69.88	273.25
6-Sep	3:00	3.12	8.75	0	29.17	76.75	66.81	279.62

6-Sep	4:00	2.12	6.75	0	29.21	80.12	64.38	278.44
6-Sep	5:00	1.69	6.25	0	29.24	82.75	62.75	287.75
6-Sep	6:00	1.75	7	0	29.27	83.75	61.69	279.25
6-Sep	7:00	0.81	4	0	29.31	87.31	59.88	275.88
6-Sep	8:00	1.75	6	0	29.33	87.81	60.12	273.44
6-Sep	9:00	1.88	7	0	29.29	73.25	65.94	296.19
6-Sep	10:00	2.88	8.25	0	29.27	63.94	69.75	352.56
6-Sep	11:00	2.81	8.75	0	29.28	57.31	73.25	348.5
6-Sep	12:00	2.75	8	0	29.27	52.06	76.56	343.12
6-Sep	13:00	3.44	8.25	0	29.26	48.31	78.44	351.44
6-Sep	14:00	3.25	8.25	0	29.26	45.94	80.12	1.56
6-Sep	15:00	4.06	9.25	0	29.25	46.19	80.69	15.81
6-Sep	16:00	3.38	9	0	29.24	44.25	81.81	352.31
6-Sep	17:00	4	9.75	0	29.23	42.56	81.44	16.12
6-Sep	18:00	3.69	9	0	29.24	43.75	80.75	17.38
6-Sep	19:00	3.19	11.75	0	29.27	46.06	79.06	27.75
6-Sep	20:00	0.38	2.75	0	29.31	58.5	73.69	31.44
6-Sep	21:00	0.06	1.75	0	29.37	71.88	68.44	20.5
6-Sep	22:00	0.69	3	0	29.41	69	67.44	352.56
6-Sep	23:00	0.19	3	0	29.42	70.75	65.69	4.31
7-Sep	0:00	1.12	4	0	29.44	68.94	65.81	30.06
7-Sep	1:00	0.44	3.5	0	29.46	76	63.12	36.75
7-Sep	2:00	0	1.75	0	29.48	84.44	60.31	34.25
7-Sep	3:00	0.06	1.5	0	29.49	89.56	58.44	12.81
7-Sep	4:00	0.25	2	0	29.5	91.38	57.5	3.38
7-Sep	5:00	0.31	2.5	0	29.51	94.25	56.31	351.06
7-Sep	6:00	0.44	2.25	0	29.52	97.25	55.31	342.5
7-Sep	7:00	0.31	2.5	0	29.54	98.75	54.88	302.5
7-Sep	8:00	0.06	2.75	0	29.54	96.56	57.56	284.62
7-Sep	9:00	1.19	3.75	0	29.49	73.94	65.38	230.12
7-Sep	10:00	2.62	7.75	0	29.46	58.81	69.94	45.62
7-Sep	11:00	3.81	10	0	29.45	52.38	72.56	43.69
7-Sep	12:00	4.31	9.25	0	29.43	46.94	75.44	40.94
7-Sep	13:00	4.75	12.25	0	29.41	43.5	77.06	46.25
7-Sep	14:00	4.75	10.5	0	29.39	41.25	78.12	35.94
7-Sep	15:00	5	11.5	0	29.38	39.44	78.38	28.75
7-Sep	16:00	4.88	15.25	0	29.36	39.88	78.44	33.12
7-Sep	17:00	5.19	13.75	0	29.34	41.88	77.69	40.44
7-Sep	18:00	4.94	10.25	0	29.34	43.62	76.88	37.81
7-Sep	19:00	3.56	9.5	0	29.36	47.06	75.12	35.44
7-Sep	20:00	1.19	5.25	0	29.4	57.94	70.25	41.44
7-Sep	21:00	1.88	5.25	0	29.44	61.75	67.12	40.69
7-Sep	22:00	2.5	5.75	0	29.46	64.69	65.19	30.12
7-Sep	23:00	2.62	6.5	0	29.48	69.94	63.19	34.56
8-Sep	0:00	1.69	5	0	29.49	74.25	61.25	51.88
8-Sep	1:00	0	0	0	29.51	84.81	57.12	81.12
8-Sep	2:00	0	2.75	0	29.53	89.12	55.94	91.69
8-Sep	3:00	0	2	0	29.54	91.31	55	57.19
8-Sep	4:00	0.12	3.25	0	29.54	92	54.75	35.62
8-Sep	5:00	0	2.25	0	29.56	92.44	54.31	18.62
8-Sep	6:00	0	1.75	0	29.56	91.81	54.31	36.38
8-Sep	7:00	0.06	1.5	0	29.58	95	52.88	37.69
8-Sep	8:00	0.38	3	0	29.58	93.06	55.75	36.12
8-Sep	9:00	1.56	4.5	0	29.52	78.12	62	68.81
8-Sep	10:00	2.38	6	0	29.48	70.94	66.31	99.44
8-Sep	11:00	3.5	7.25	0	29.45	65.31	69.56	103.06
8-Sep	12:00	4.06	10.5	0	29.43	58.5	72.38	90.94
8-Sep	13:00	3.75	10.25	0	29.39	53.56	74.69	66.94
8-Sep	14:00	4	9.75	0	29.36	50.44	76.06	78.31
8-Sep	15:00	3.56	11	0	29.34	47.88	76.81	66.69
8-Sep	16:00	4	9.5	0	29.33	45.94	77.5	64.5
8-Sep	17:00	3.5	9.5	0	29.31	45.5	78	77.06
8-Sep	18:00	3.69	7.75	0	29.31	46.81	77.44	82.62

8-Sep	19:00	2.88	6.5	0	29.32	50.38	75.81	68.69
8-Sep	20:00	1.19	4	0	29.35	61.25	71	50.94
8-Sep	21:00	0.06	2	0	29.4	75.38	65.62	26.38
8-Sep	22:00	0	0	0	29.44	81	63.38	21.56
8-Sep	23:00	0	0	0	29.46	84.88	61.94	24.31
9-Sep	0:00	0	0	0	29.46	88.62	60.56	33.38
9-Sep	1:00	0	0	0	29.48	92.06	59.06	42.62
9-Sep	2:00	0.12	1.5	0	29.49	94.75	58.19	41.81
9-Sep	3:00	0	0	0	29.49	96.44	57.06	40.38
9-Sep	4:00	0	0	0	29.49	99.06	55.94	40.38
9-Sep	5:00	0	0	0	29.49	100	55.31	40.19
9-Sep	6:00	0	0	0	29.5	100	55.06	38.19
9-Sep	7:00	0	0	0	29.52	100	54.44	38.81
9-Sep	8:00	0.44	3.5	0	29.52	100	56.56	55.81
9-Sep	9:00	1.44	3.5	0	29.47	94.31	63.56	69.5
9-Sep	10:00	2.25	5	0	29.43	77.12	68.5	95.81
9-Sep	11:00	2.81	9.75	0	29.4	63.44	73.69	130.12
9-Sep	12:00	2.75	10	0	29.37	52.69	77.75	207.38
9-Sep	13:00	2.75	7.25	0	29.34	50	79.5	163.12
9-Sep	14:00	3.12	9.5	0	29.32	46.88	81.38	181.94
9-Sep	15:00	2.88	7.75	0	29.31	45.5	81.88	149.5
9-Sep	16:00	3.62	9.5	0	29.28	42.62	82.81	181.94
9-Sep	17:00	4.06	9.25	0	29.27	42.69	82.69	191.38
9-Sep	18:00	4.56	9.5	0	29.26	45.25	81.75	168.88
9-Sep	19:00	3.88	8.5	0	29.28	49.38	80.12	187
9-Sep	20:00	2.31	6.5	0	29.31	56.88	76.56	168.75
9-Sep	21:00	1.69	3.75	0	29.34	63.38	73.62	158.31
9-Sep	22:00	1.5	4.5	0	29.38	65	71.94	160.5
9-Sep	23:00	1.25	4.25	0	29.39	68.06	70	152.56
10-Sep	0:00	1.38	3.75	0	29.41	74.44	67.81	124.81
10-Sep	1:00	1	3	0	29.41	76.81	66.56	71.5
10-Sep	2:00	0.5	2.75	0	29.43	83.31	64.06	68.44
10-Sep	3:00	0.75	4	0	29.45	87.81	62.75	89.88
10-Sep	4:00	0.75	4.25	0	29.45	82.94	64	143.12
10-Sep	5:00	1.44	5	0	29.45	79.88	64.69	141.75
10-Sep	6:00	2.12	6.5	0	29.46	78.88	64.44	166.5
10-Sep	7:00	2.75	7	0	29.46	77.75	64.44	171
10-Sep	8:00	1.88	6	0	29.46	76.19	65.19	168.19
10-Sep	9:00	2	5.25	0	29.43	69.94	68.62	129.56
10-Sep	10:00	2.19	5.75	0	29.41	63.25	72.88	129.12
10-Sep	11:00	3.25	8.75	0	29.39	52.81	78.62	192.44
10-Sep	12:00	3.94	10.75	0	29.36	45.44	83.19	191.19
10-Sep	13:00	5.38	11.25	0	29.32	39.31	86.06	211.69
10-Sep	14:00	4.38	10.25	0	29.29	38.62	87.19	211.38
10-Sep	15:00	5.69	13.75	0	29.28	37.19	87.69	197.88
10-Sep	16:00	5.94	13.75	0	29.26	36.5	87.75	204.31
10-Sep	17:00	6	11.5	0	29.25	36.81	87.88	209.75
10-Sep	18:00	5	10.75	0	29.26	38.12	86.62	192.5
10-Sep	19:00	3.62	7.75	0	29.27	43.81	83.81	161.38
10-Sep	20:00	1.94	6.75	0	29.3	51.12	80	151.44
10-Sep	21:00	0.94	2.5	0	29.34	64.94	74.69	73.5
10-Sep	22:00	1.38	3.75	0	29.38	71.19	71.94	67.12
10-Sep	23:00	0.69	2.75	0	29.39	74.06	70.06	117.25
11-Sep	0:00	0.69	3	0	29.41	76.81	68.62	81.38
11-Sep	1:00	0.94	3.25	0	29.41	76.88	68.75	50.5
11-Sep	2:00	0.38	2.5	0	29.41	80.31	66.94	46.88
11-Sep	3:00	0.94	5.25	0	29.41	81.19	66.62	61.75
11-Sep	4:00	2	6.5	0	29.39	76.06	68.25	174.56
11-Sep	5:00	0.31	2	0	29.41	82.38	65.06	180.69
11-Sep	6:00	0.19	2.25	0	29.44	88.75	62.06	167.44
11-Sep	7:00	0.69	2.75	0	29.44	94.44	61.62	165.12
11-Sep	8:00	0.94	3.25	0	29.46	95	62	147.19
11-Sep	9:00	1.12	3.25	0	29.44	89	65.69	81.44

11-Sep	10:00	1.5	4.75	0	29.39	68.31	73.19	142.62
11-Sep	11:00	2	5.25	0	29.36	57.56	78.5	111.69
11-Sep	12:00	2.75	8	0	29.33	51.81	81.94	178.44
11-Sep	13:00	4.12	10	0	29.27	39.31	87.12	199.62
11-Sep	14:00	4.5	14	0	29.26	37	87.5	195.12
11-Sep	15:00	4.88	11.5	0	29.24	35.44	87.81	188.44
11-Sep	16:00	4.62	10.25	0	29.23	35.81	87.56	183.5
11-Sep	17:00	4.19	8.5	0	29.23	37	86.38	156.12
11-Sep	18:00	4.12	10.5	0	29.23	40.06	85.19	170.25
11-Sep	19:00	3.06	6.5	0	29.25	42.81	82.56	154.69
11-Sep	20:00	1.69	4.5	0	29.28	52.88	78.75	133.5
11-Sep	21:00	1.5	2.75	0	29.32	65.62	73.88	78.75
11-Sep	22:00	1.38	3.5	0	29.35	71.69	71.62	66.31
11-Sep	23:00	0.44	3.25	0	29.36	76.56	69.69	80.5
12-Sep	0:00	1	2.25	0	29.38	79.56	68.5	102.62
12-Sep	1:00	1.5	2.75	0	29.38	80.12	68.25	95.12
12-Sep	2:00	1.44	3.25	0	29.38	81.38	67.88	56.25
12-Sep	3:00	0.56	2.75	0	29.38	84.75	66.25	60.38
12-Sep	4:00	1.38	4	0	29.38	87	66	51.56
12-Sep	5:00	0.88	3.75	0	29.38	84.62	66.69	97.69
12-Sep	6:00	1.06	3	0	29.39	82.88	66.5	131.06
12-Sep	7:00	1.44	3	0	29.41	90.44	63.56	65.25
12-Sep	8:00	1.38	3.25	0	29.41	92.62	64.06	83.31
12-Sep	9:00	2.25	5	0	29.38	80.12	69.56	103.69
12-Sep	10:00	2.19	5.25	0	29.34	67.62	74.75	117.62
12-Sep	11:00	2.5	8	0	29.3	54.56	81.12	170.94
12-Sep	12:00	3.88	8.5	0	29.26	45.38	85.94	188.75
12-Sep	13:00	5.25	11.75	0	29.24	41.75	87.44	177.94
12-Sep	14:00	5.81	12.75	0	29.21	38.88	88.81	188.44
12-Sep	15:00	6.44	13.75	0	29.19	37	88.75	183.62
12-Sep	16:00	6.06	14	0	29.17	38.62	88.56	171.38
12-Sep	17:00	6.69	14.25	0	29.16	37.88	88.56	192.62
12-Sep	18:00	6.19	12.5	0	29.15	41	87.19	185.62
12-Sep	19:00	4.5	11.25	0	29.16	46.62	84.69	164.88
12-Sep	20:00	3.31	7.25	0	29.19	53.62	81.31	126.5
12-Sep	21:00	3.12	7.75	0	29.22	60.44	78.62	122.56
12-Sep	22:00	4	10	0	29.25	61.38	77.38	137.81
12-Sep	23:00	3.88	9.25	0	29.26	62.62	75.88	139.62
13-Sep	0:00	3.81	8.25	0	29.27	63.5	74.5	143
13-Sep	1:00	3.56	8.75	0	29.27	65.81	73.44	142.38
13-Sep	2:00	3.5	10	0	29.27	67.5	72.62	150.19
13-Sep	3:00	3.19	7.5	0	29.26	69.69	71.56	132.31
13-Sep	4:00	2.19	8	0	29.26	73.81	69.75	131
13-Sep	5:00	1.5	5	0	29.27	76.56	68.44	142.88
13-Sep	6:00	1.62	6.25	0	29.26	77.44	67.81	153.69
13-Sep	7:00	1.69	8.25	0	29.26	79.31	67	122
13-Sep	8:00	1.06	4.75	0	29.27	77.69	67.94	107.56
13-Sep	9:00	2.19	6.5	0	29.24	67	73.25	161.69
13-Sep	10:00	3.81	8.5	0	29.2	58.94	77.69	203.44
13-Sep	11:00	6.19	11.75	0	29.17	54.38	81.38	204.94
13-Sep	12:00	6.56	14	0	29.14	49.62	84.94	211.62
13-Sep	13:00	7	15.25	0	29.1	45.62	87.75	202.44
13-Sep	14:00	8	16	0	29.07	43.06	89.5	207.62
13-Sep	15:00	8.25	17.75	0	29.05	42.38	89.94	207.19
13-Sep	16:00	8	16.5	0	29.03	40.81	90.56	201.62
13-Sep	17:00	8.12	17.5	0	29.02	40.88	89.62	202.56
13-Sep	18:00	6.56	14.5	0	29.02	43.06	88.5	184.25
13-Sep	19:00	5.19	14	0	29.04	44.75	86.31	187.88
13-Sep	20:00	3.38	8.5	0	29.06	51.31	83	168.25
13-Sep	21:00	3.31	9	0	29.08	57.38	80.62	162.38
13-Sep	22:00	4.19	8.25	0	29.1	60.56	79.06	185.25
13-Sep	23:00	4.81	9.25	0	29.11	62.88	77.56	188.19
14-Sep	0:00	3.62	9.75	0	29.12	65.38	76.12	176.88

14-Sep	1:00	3.31	9	0	29.12	69.06	74.31	166.38
14-Sep	2:00	4.56	11.25	0	29.13	69.94	73.56	185.94
14-Sep	3:00	5.62	14.75	0	29.13	70.19	73.62	190.81
14-Sep	4:00	5.06	12.25	0	29.13	74.81	73.12	190.5
14-Sep	5:00	4.31	9.25	0	29.14	78.12	72.44	195.19
14-Sep	6:00	3.38	9.75	0	29.14	80.19	72	203.88
14-Sep	7:00	4.75	10.75	0	29.15	82.69	71.88	216.12
14-Sep	8:00	5.38	13	0	29.16	81.88	73.06	207.06
14-Sep	9:00	5.81	14	0	29.14	75.38	76.56	212.75
14-Sep	10:00	6.44	14	0	29.11	69.12	80.12	216
14-Sep	11:00	6.56	14.5	0	29.08	62.19	84.56	214.31
14-Sep	12:00	8.94	16.75	0	29.04	56.44	87.81	214.5
14-Sep	13:00	10.12	19.75	0	29.02	53.62	89	214.12
14-Sep	14:00	9.88	19.25	0	28.99	49.25	90.94	207.06
14-Sep	15:00	9.38	17.25	0	28.96	45.25	92	203.81
14-Sep	16:00	8.81	16.5	0	28.94	43.75	91.5	198.88
14-Sep	17:00	8.62	18.25	0	28.93	43.56	91.12	206.25
14-Sep	18:00	9.25	17.5	0	28.92	44.69	90.44	206.69
14-Sep	19:00	7.5	16.75	0	28.94	50.19	87.88	200
14-Sep	20:00	5.25	11	0	28.95	56.81	84.75	186.38
14-Sep	21:00	3.88	8	0	28.98	62.06	82.75	183.75
14-Sep	22:00	3.44	7.25	0	29.01	65.75	81.25	179.31
14-Sep	23:00	3.75	9.25	0	29.02	67.94	80.19	175.38
15-Sep	0:00	4.94	10.75	0	29.02	69.06	79.62	183.25
15-Sep	1:00	7.38	15.75	0	29.02	69.56	79.31	198.12
15-Sep	2:00	7.38	17	0	29.02	70.19	79.12	197.44
15-Sep	3:00	7.69	15.75	0	29.01	72.06	78.25	192.19
15-Sep	4:00	7.38	15	0	29	74.31	77.12	189.75
15-Sep	5:00	7	15.25	0	29	76.5	76.25	201.31
15-Sep	6:00	8.19	16.75	0	29.01	77.19	75.94	209.75
15-Sep	7:00	6.38	13.25	0	29.04	78.06	75.81	219.88
15-Sep	8:00	6.5	13	0	29.06	79.81	75.44	211.38
15-Sep	9:00	6.38	12	0	29.06	80.69	75.38	198.62
15-Sep	10:00	7.38	17.25	0	29.05	79.19	76.25	211.81
15-Sep	11:00	6.5	13.5	0.05	29.07	84.94	75.25	218
15-Sep	12:00	4.81	15.75	0	29.08	85.44	76	243.62
15-Sep	13:00	0.88	4.75	0	29.09	89.38	74.75	277.38
15-Sep	14:00	2.12	6.75	0.02	29.09	88.38	74.69	278.12
15-Sep	15:00	2.06	7.75	0	29.09	91.56	75.06	256.44
15-Sep	16:00	2.44	8	0	29.06	73.5	80	297.69
15-Sep	17:00	2.5	7	0	29.03	61.44	82.88	296.12
15-Sep	18:00	2.25	6	0	29.04	56.31	82.94	312.25
15-Sep	19:00	1.12	4	0	29.07	56.19	80.81	332.62
15-Sep	20:00	0.75	2	0	29.12	72.12	74.62	355.75
15-Sep	21:00	0.44	1.5	0	29.17	82.06	70.31	359.38
15-Sep	22:00	0.38	2	0	29.21	86.06	68.38	6.56
15-Sep	23:00	0.62	2	0	29.24	91.19	66.5	8.12
16-Sep	0:00	1	3.75	0	29.27	89.69	66.56	359.06
16-Sep	1:00	0.69	5	0	29.29	81.19	66.62	359
16-Sep	2:00	3.5	10.25	0	29.3	71.69	67.56	30.94
16-Sep	3:00	0.94	5.5	0	29.33	76.19	64.62	84.19
16-Sep	4:00	0.12	4	0	29.36	86.5	60.5	89.56
16-Sep	5:00	0.19	1.5	0	29.38	91.31	58.56	44.56
16-Sep	6:00	0.06	1.5	0	29.4	94.62	56.75	42.06
16-Sep	7:00	0.44	2	0	29.42	97.75	55.94	25.88
16-Sep	8:00	0.19	2	0	29.42	96.94	57.94	24.88
16-Sep	9:00	1.62	5.25	0	29.38	79.56	65.38	47.44
16-Sep	10:00	3.62	8	0	29.34	69.69	69.31	79.69
16-Sep	11:00	4.19	9.5	0	29.33	62.25	72.19	70.75
16-Sep	12:00	4.31	10	0	29.3	55.94	75.06	77.31
16-Sep	13:00	4.81	10.5	0	29.27	47.31	77.25	71.75
16-Sep	14:00	4.62	11.5	0	29.26	43.94	78.56	58.69
16-Sep	15:00	4.81	9.5	0	29.24	42.19	79.38	68.88

16-Sep	16:00	4.81	10.25	0	29.21	41.44	79.56	63.44
16-Sep	17:00	4.94	10	0	29.19	43.31	79.12	93.12
16-Sep	18:00	4.06	9	0	29.19	43.25	78.31	82.38
16-Sep	19:00	3	7	0	29.21	49.25	76	81.25
16-Sep	20:00	1.31	3.75	0	29.25	60.06	70.69	54.38
16-Sep	21:00	1.38	4	0	29.29	70.38	66.81	63.94
16-Sep	22:00	0.81	3.75	0	29.31	73.75	65	66.12
16-Sep	23:00	0.12	2	0	29.34	80.12	62.38	66
17-Sep	0:00	0.25	2	0	29.36	87.44	59.56	61.56
17-Sep	1:00	0.56	3.25	0	29.36	91.69	58.62	66.25
17-Sep	2:00	0.25	3	0	29.38	95.38	56.88	72.94
17-Sep	3:00	1	3	0	29.38	97.06	56.94	75.25
17-Sep	4:00	1	3	0	29.37	98.31	57	129.94
17-Sep	5:00	0.88	3.75	0	29.38	97.81	56.56	80.44
17-Sep	6:00	1.5	3.75	0	29.39	99.12	55.94	78.44
17-Sep	7:00	1.19	2.5	0	29.41	99.94	55.75	59.19
17-Sep	8:00	1.56	4.5	0	29.42	98.44	57.25	68.56
17-Sep	9:00	3.19	7	0	29.38	85.44	62.31	94
17-Sep	10:00	4.12	9	0	29.34	71.12	67.19	115.31
17-Sep	11:00	4.25	9.5	0	29.31	58.62	72.5	171.44
17-Sep	12:00	5.19	10.5	0	29.27	54.62	75.12	168.62
17-Sep	13:00	4.94	9.75	0	29.26	52.94	76.38	161.94
17-Sep	14:00	4.31	9.75	0	29.25	53.06	77.06	158.06
17-Sep	15:00	5.44	12.25	0	29.23	52	78	185.62
17-Sep	16:00	6.06	11.5	0	29.19	53.69	77.81	144.44
17-Sep	17:00	5.38	14.75	0	29.17	55.56	77.38	115
17-Sep	18:00	5.62	12.5	0	29.19	55.88	77.19	127.62
17-Sep	19:00	4.06	9.75	0	29.22	58.75	76.25	128.19
17-Sep	20:00	3.06	6	0	29.25	65.56	73.5	93.31
17-Sep	21:00	4.12	8	0	29.27	70.25	71.62	85.62
17-Sep	22:00	3.62	9.25	0	29.27	69.19	71.56	93.31
17-Sep	23:00	3	8.5	0	29.27	65.56	71.56	122.69
18-Sep	0:00	3.88	10.25	0	29.26	66.56	71.25	75.5
18-Sep	1:00	6.5	14.5	0	29.3	75.88	68.44	89.81
18-Sep	2:00	6.88	16.5	0	29.33	79.62	68.06	72.44
18-Sep	3:00	9.5	25.25	0.01	29.37	90.81	66.5	87.25
18-Sep	4:00	5.94	14.75	0.03	29.38	96.06	66.31	114.56
18-Sep	5:00	4	12.25	0	29.39	95.75	67.19	89.69
18-Sep	6:00	4.12	12.25	0.26	29.39	97	65.69	134.12
18-Sep	7:00	3.81	8.75	0.41	29.44	98.75	65.44	63.06
18-Sep	8:00	2.5	10.5	0.09	29.43	100	65	149.38
18-Sep	9:00	3.31	10.5	0.01	29.4	100	65.25	203.88
18-Sep	10:00	3.56	13	0	29.38	99.25	66.19	230.56
18-Sep	11:00	3.5	11	0	29.38	94.12	68.06	228.06
18-Sep	12:00	4	10	0	29.34	84.75	72.19	213.5
18-Sep	13:00	2.5	9.75	0	29.27	67.56	80.19	222.44
18-Sep	14:00	4.5	9.75	0	29.24	66.06	81.75	94.5
18-Sep	15:00	5.19	10.5	0	29.23	66.75	82.75	87.88
18-Sep	16:00	6.12	13.5	0	29.23	65.56	82.62	144.94
18-Sep	17:00	3.88	10	0	29.23	68.88	80	150.69
18-Sep	18:00	2.5	8.75	0	29.24	68.31	80.5	102.94
18-Sep	19:00	4.38	8.5	0	29.26	75.88	76.94	78.25
18-Sep	20:00	3.62	8	0	29.29	81.38	73.81	81
18-Sep	21:00	3.19	7.75	0	29.33	86.75	71.81	92
18-Sep	22:00	2.25	5.5	0	29.34	88.19	71.12	79.75
18-Sep	23:00	2.31	5.25	0	29.36	87	70.5	70.56
19-Sep	0:00	1.62	4.25	0	29.36	85.56	69.88	69.56
19-Sep	1:00	1.25	4	0	29.37	86.44	69.19	57
19-Sep	2:00	1.38	5.25	0	29.38	88.69	68.56	47.88
19-Sep	3:00	1.44	4	0	29.39	89.81	68.12	55.31
19-Sep	4:00	1.44	5.5	0	29.41	85.38	68.81	78
19-Sep	5:00	1.62	7.5	0	29.41	79.69	69	184.94
19-Sep	6:00	2.56	8.5	0	29.42	70.88	69.69	193.81

19-Sep	7:00	2.5	8	0	29.43	66.12	69.88	194.19
19-Sep	8:00	0.94	5.25	0	29.44	66.25	69.62	174.75
19-Sep	9:00	2.5	8	0	29.42	57.38	73.81	178.94
19-Sep	10:00	5.25	11.75	0	29.41	50.56	77.12	209.25
19-Sep	11:00	5.19	12.5	0	29.38	46.56	80.44	202.25
19-Sep	12:00	4.88	13.25	0	29.36	43.81	83.81	209.69
19-Sep	13:00	4.56	10	0	29.33	43.06	85.81	192.31
19-Sep	14:00	4.94	9.75	0	29.31	42.69	86.75	177.25
19-Sep	15:00	4.81	9.5	0	29.29	42.88	86.94	162.25
19-Sep	16:00	5.5	10.75	0	29.28	41.56	87.69	183.69
19-Sep	17:00	5.38	11	0	29.26	44.44	86.56	154.81
19-Sep	18:00	6.25	15.5	0	29.26	44.19	84.94	126.62
19-Sep	19:00	4.44	11	0	29.27	46.44	83.06	127.88
19-Sep	20:00	2.94	8.25	0	29.31	54.31	79.19	100.31
19-Sep	21:00	2.25	6	0	29.34	63.25	75.44	85.5
19-Sep	22:00	3.81	10.75	0	29.35	63.56	74.81	106.06
19-Sep	23:00	4.5	11.25	0	29.35	61.38	74.44	119.56
20-Sep	0:00	4	11	0	29.36	61.12	73.31	124.38
20-Sep	1:00	4.56	11.5	0	29.36	60.81	72.62	141.81
20-Sep	2:00	3.88	10.75	0	29.38	62.88	71.31	140.5
20-Sep	3:00	4.5	9.75	0	29.39	64.62	69.94	144.81
20-Sep	4:00	4.19	9	0	29.39	66.12	68.62	144.56
20-Sep	5:00	2.94	9.5	0	29.4	65.75	67.44	132.31
20-Sep	6:00	1.75	6.25	0	29.42	68.75	65.62	91.88
20-Sep	7:00	1.12	6	0	29.44	74.94	62.81	76.25
20-Sep	8:00	1.69	5.25	0	29.46	71.44	63.81	138.31
20-Sep	9:00	2.75	7.25	0	29.42	64	67.12	154.75
20-Sep	10:00	3.19	7.75	0	29.39	56.81	70.94	154.94
20-Sep	11:00	4.56	10.75	0	29.36	49.31	75.62	183
20-Sep	12:00	6.38	13	0	29.32	45.25	78.06	189.69
20-Sep	13:00	5.62	12.25	0	29.28	43.25	80.56	179
20-Sep	14:00	5.81	11.5	0	29.26	40.25	81.69	181.94
20-Sep	15:00	6.31	14.75	0	29.24	38.88	82.81	188.75
20-Sep	16:00	6.12	12.5	0	29.23	39.5	82.62	172.5
20-Sep	17:00	6.44	12.75	0	29.21	38.88	83	181.31
20-Sep	18:00	6.12	13.5	0	29.21	42.56	81.38	160.12
20-Sep	19:00	4.94	13	0	29.23	49.19	78.69	145.38
20-Sep	20:00	3.31	8.25	0	29.26	55.44	75.62	113.69
20-Sep	21:00	2	4.5	0	29.29	64.06	72.12	96.12
20-Sep	22:00	1.94	5	0	29.32	71.62	69.12	76.25
20-Sep	23:00	1.69	5.5	0	29.34	73.38	68.06	85.12
21-Sep	0:00	2.12	7	0	29.34	64.75	69.69	139.31
21-Sep	1:00	1.62	6.5	0	29.34	65.12	68.56	150.75
21-Sep	2:00	1.94	7	0	29.36	66.62	67.62	156.12
21-Sep	3:00	3.25	9.25	0	29.37	67.75	67.31	172.31
21-Sep	4:00	3.12	9	0	29.38	69.31	66.62	171.56
21-Sep	5:00	4	9.5	0	29.39	69.44	66.62	183.56
21-Sep	6:00	4.5	13	0	29.39	69.69	66.56	193.81
21-Sep	7:00	3.31	8	0	29.41	71.75	65.75	181.25
21-Sep	8:00	2.19	7.5	0	29.42	72.81	65.88	179.75
21-Sep	9:00	3.44	10	0	29.39	66.06	69.81	196.69
21-Sep	10:00	5.69	12.75	0	29.37	60.44	73.44	202.69
21-Sep	11:00	7	15	0	29.34	56.75	76.69	206.06
21-Sep	12:00	6.44	14.25	0	29.31	53.12	80.06	201.19
21-Sep	13:00	7.69	14.5	0	29.29	51.5	81.94	202.06
21-Sep	14:00	6.56	15	0	29.26	48.88	84.44	197.81
21-Sep	15:00	6.56	14.75	0	29.25	49.12	84.81	176.12
21-Sep	16:00	6.06	12.75	0	29.24	48.81	85.44	177.81
21-Sep	17:00	5.69	12.25	0	29.23	48.56	85.44	175.38
21-Sep	18:00	5.12	10.25	0	29.24	49.06	84.44	170.94
21-Sep	19:00	3.69	9.25	0	29.27	51.56	82.31	148.94
21-Sep	20:00	1.69	5	0	29.31	60.25	78.06	89.5
21-Sep	21:00	1.31	5	0	29.35	67.81	74.38	71.94

21-Sep	22:00	3.06	7.75	0	29.38	65.44	74.12	96
21-Sep	23:00	1.94	5.25	0	29.39	66.81	72.25	82.56
22-Sep	0:00	1.62	4.5	0	29.41	69.88	69.75	85.44
22-Sep	1:00	4.25	11.25	0	29.41	57.88	71.69	170.5
22-Sep	2:00	5.44	11	0	29.41	56.31	70.81	186.5
22-Sep	3:00	4.62	10.75	0	29.42	59.69	68.75	185.5
22-Sep	4:00	4.31	10	0	29.44	60.56	67.44	195.12
22-Sep	5:00	2.69	8	0	29.44	63.12	66	184.19
22-Sep	6:00	0.38	4	0	29.47	68.06	63.62	135.19
22-Sep	7:00	0.94	5	0	29.49	69.31	63.25	183.75
22-Sep	8:00	1.5	6	0	29.49	68.88	64.19	151.06
22-Sep	9:00	2.5	8.75	0	29.47	63.56	67.31	160.06
22-Sep	10:00	2.69	7	0	29.45	59.88	70.88	151.88
22-Sep	11:00	3.25	7.5	0	29.42	55.25	75.12	165.62
22-Sep	12:00	3.38	9.25	0	29.39	50.31	79.38	189.25
22-Sep	13:00	3.25	9.5	0	29.35	48.38	81.69	171.62
22-Sep	14:00	3.19	8.75	0	29.32	47.19	83.81	176.62
22-Sep	15:00	4.38	10.5	0	29.29	47.69	84.06	151.88
22-Sep	16:00	5.19	10.75	0	29.27	44.69	84.06	178.88
22-Sep	17:00	5.56	12.25	0	29.26	44.94	83.75	160.12
22-Sep	18:00	5.75	13.5	0	29.25	45.88	82.19	150.62
22-Sep	19:00	3.81	10.25	0	29.26	49.5	80.25	149.69
22-Sep	20:00	1.38	5.25	0	29.29	58.56	76.5	107.81
22-Sep	21:00	1.38	4	0	29.33	67.62	73.38	80.62
22-Sep	22:00	1.75	5	0	29.34	72.62	71.88	82.19
22-Sep	23:00	2.69	7.25	0	29.34	71.56	72.81	111.62
23-Sep	0:00	3	6.5	0	29.33	70.81	72.88	130.94
23-Sep	1:00	3.25	8.75	0	29.32	71.38	71.88	155.06
23-Sep	2:00	4.38	10.25	0	29.31	69.69	71.25	168.81
23-Sep	3:00	4.19	9.25	0	29.32	70.5	70	174.56
23-Sep	4:00	5	11.25	0	29.33	69.69	69.69	198.19
23-Sep	5:00	4.75	10.5	0	29.33	69.38	69.75	199.62
23-Sep	6:00	6.06	11.5	0	29.34	70.81	69.25	209
23-Sep	7:00	5.12	11.75	0	29.33	72.44	68.75	194.88
23-Sep	8:00	5.56	12.25	0	29.33	73.19	68.62	202.56
23-Sep	9:00	7	13.5	0	29.33	71.25	70.44	208.5
23-Sep	10:00	8	16.25	0	29.31	65.38	74.12	217.75
23-Sep	11:00	7.44	14.5	0	29.29	60.44	77.44	226.88
23-Sep	12:00	6.62	15	0	29.31	64.12	75.81	238.75
23-Sep	13:00	6.25	14.25	0	29.34	69.81	73.62	241.94
23-Sep	14:00	3.94	11.25	0	29.38	79.75	70.06	243.75
23-Sep	15:00	4.44	9.75	0	29.36	77.81	71.19	247.06
23-Sep	16:00	4.31	10.5	0	29.32	61.44	76.62	241.62
23-Sep	17:00	3.62	9.75	0	29.29	55.44	77.94	241.94
23-Sep	18:00	3.06	10.75	0	29.29	50.81	77.81	249
23-Sep	19:00	2.31	7.25	0	29.31	53.06	75.5	242.19
23-Sep	20:00	0.81	3.75	0	29.36	63.44	71.06	231.25
23-Sep	21:00	0	1.5	0	29.41	81.12	64.56	226.94
23-Sep	22:00	0	0	0	29.44	89.44	61.56	227.94
23-Sep	23:00	0	1	0	29.47	94.25	59.94	228.25
24-Sep	0:00	0	2.5	0	29.49	97	59.12	228.19
24-Sep	1:00	0	1.5	0	29.49	99	58.06	233.62
24-Sep	2:00	0	0	0	29.49	100	57	233.88
24-Sep	3:00	0	0	0	29.51	100	55.56	233.94
24-Sep	4:00	0	1.75	0	29.51	100	54.81	235.94
24-Sep	5:00	0	0	0	29.52	100	54.38	236.06
24-Sep	6:00	0	1	0	29.54	100	53.81	238.25
24-Sep	7:00	0.06	2	0	29.55	100	54.69	238.31
24-Sep	8:00	0	1.5	0	29.56	100	54.31	238.75
24-Sep	9:00	0.38	4	0	29.53	97.5	61.75	239.19
24-Sep	10:00	1	4.25	0	29.49	71.75	68.5	282.62
24-Sep	11:00	1.62	5.25	0	29.46	59.38	73.25	267.88
24-Sep	12:00	1.94	5.25	0	29.42	48.75	78.12	282.38

24-Sep	13:00	1.88	6.25	0	29.38	41.94	81.69	277.12
24-Sep	14:00	1.94	5.5	0	29.35	36.62	83.62	319
24-Sep	15:00	2.25	6.75	0	29.33	34.81	84.31	228.75
24-Sep	16:00	2.94	8.25	0	29.32	30.81	85.31	210.56
24-Sep	17:00	2.31	6.25	0	29.31	28.88	85.19	239.5
24-Sep	18:00	2.25	7	0	29.32	30.38	84.12	247.81
24-Sep	19:00	0.94	4.25	0	29.34	38.5	80.5	239.44
24-Sep	20:00	0.56	2.75	0	29.4	63.31	70.75	227.75
24-Sep	21:00	0.25	1.75	0	29.45	72.69	66.56	232.88
24-Sep	22:00	0.25	2.25	0	29.48	74.44	65	235.38
24-Sep	23:00	0.88	2.75	0	29.49	70.12	66.12	235.44
25-Sep	0:00	0.94	3.25	0	29.49	69.88	65.88	228.5
25-Sep	1:00	2.62	6	0	29.49	68.19	66.31	215.12
25-Sep	2:00	0.81	4.25	0	29.48	70.38	65.38	204.44
25-Sep	3:00	0.81	2.75	0	29.51	81.12	61.31	202.5
25-Sep	4:00	0.94	3	0	29.52	82.75	60.94	215.75
25-Sep	5:00	0.56	1.75	0	29.54	87.31	58.75	217.31
25-Sep	6:00	0.06	1.75	0	29.56	92.94	56.19	217.31
25-Sep	7:00	0.06	1.5	0	29.59	95.88	55.19	216.94
25-Sep	8:00	0	0	0	29.59	99.44	56.38	217.19
25-Sep	9:00	0.69	2	0	29.55	85.31	64	221.12
25-Sep	10:00	0.94	3	0	29.51	63.5	71.44	221.81
25-Sep	11:00	1.38	4.25	0	29.48	52	76.25	330.81
25-Sep	12:00	1.44	5.25	0	29.44	48.5	80.19	297.31
25-Sep	13:00	3.69	10	0	29.42	43.25	81.56	37.94
25-Sep	14:00	4.25	10.75	0	29.41	37.44	83.19	41.38
25-Sep	15:00	3.75	9	0	29.39	36.56	83.75	54.25
25-Sep	16:00	3.44	9	0	29.38	37.75	83.81	45.62
25-Sep	17:00	3.06	8.5	0	29.37	35.88	83.25	44.12
25-Sep	18:00	2.56	6	0	29.38	36.69	81.94	39.69
25-Sep	19:00	1.81	5.75	0	29.41	45.75	78.44	31.75
25-Sep	20:00	2.5	5	0	29.45	57.31	72.81	21.75
25-Sep	21:00	0.5	2	0	29.49	68.5	68.31	25.31
25-Sep	22:00	0.75	5	0	29.52	78.06	64.5	49.75
25-Sep	23:00	0.19	2	0	29.54	81.75	62.31	48.94
26-Sep	0:00	0.12	2	0	29.56	83.81	60.88	49.12
26-Sep	1:00	0.19	2.25	0	29.56	88.5	59.44	49.19
26-Sep	2:00	0.12	2.25	0	29.57	90.94	58.44	46.25
26-Sep	3:00	0.38	2	0	29.58	93.81	57.56	5.06
26-Sep	4:00	0.38	2.25	0	29.58	95.94	56.62	0.25
26-Sep	5:00	0.38	2	0	29.58	97.44	55.5	358.75
26-Sep	6:00	0.44	2	0	29.59	99.44	54.5	356.19
26-Sep	7:00	0.06	1.75	0	29.6	99.94	53.75	356.19
26-Sep	8:00	0.5	2	0	29.61	99.75	54.5	355.81
26-Sep	9:00	0.5	3.75	0	29.56	86.44	62.38	354.56
26-Sep	10:00	1.31	3.25	0	29.51	70	68.12	46.81
26-Sep	11:00	2.19	5.25	0	29.47	62.31	72.44	47.62
26-Sep	12:00	2.44	7	0	29.42	53.81	77.31	16.44
26-Sep	13:00	3	8.5	0	29.39	50.5	79.19	46.38
26-Sep	14:00	3.38	8.75	0	29.37	50.75	79.81	45.5
26-Sep	15:00	3.62	8.75	0	29.36	47.62	80.19	39.31
26-Sep	16:00	3.75	8.75	0	29.33	44.94	79.94	47.94
26-Sep	17:00	3	9.75	0	29.32	45.56	79.94	52.38
26-Sep	18:00	2.69	5.75	0	29.33	48.25	78.44	69.94
26-Sep	19:00	1.88	7	0	29.35	54.31	74.88	28.69
26-Sep	20:00	1.38	3	0	29.39	68.25	69.06	15.94
26-Sep	21:00	1.31	3.75	0	29.42	74.12	66.25	10.56
26-Sep	22:00	0.38	2.25	0	29.44	82.19	63.5	25
26-Sep	23:00	0.25	1.75	0	29.46	85.69	61.56	38.94
27-Sep	0:00	0.19	2	0	29.48	89	60.06	40.5
27-Sep	1:00	0.19	2.75	0	29.48	91.75	58.62	49.88
27-Sep	2:00	0	0	0	29.48	95.25	56.94	50.06
27-Sep	3:00	0	0	0	29.49	96.31	56.25	40.81

27-Sep	4:00	0.19	1.5	0	29.49	98.25	55.25	37.25
27-Sep	5:00	0	0	0	29.49	99.31	54.44	37.06
27-Sep	6:00	0	1.75	0	29.51	100	54	37.06
27-Sep	7:00	0	0	0	29.51	100	53.69	37
27-Sep	8:00	0.31	2	0	29.52	100	55.25	36.94
27-Sep	9:00	0.44	3.25	0	29.47	90.25	62.25	44.31
27-Sep	10:00	0.81	3.5	0	29.43	75	67.88	65.75
27-Sep	11:00	1.25	3.75	0	29.39	59.88	74.38	146.56
27-Sep	12:00	1.69	4.75	0	29.34	51.31	78.5	57.25
27-Sep	13:00	2.19	8	0	29.32	45.44	80.19	26.94
27-Sep	14:00	2.94	10.25	0	29.3	39.19	81.62	58.75
27-Sep	15:00	3.44	8.75	0	29.28	40	81.19	39.31
27-Sep	16:00	3.81	9.75	0	29.26	41.44	81.19	35.94
27-Sep	17:00	3.19	8	0	29.26	43.19	80.81	53.19
27-Sep	18:00	3	7.5	0	29.26	44.75	80	35.88
27-Sep	19:00	2.19	5	0	29.29	51.06	77	42.31
27-Sep	20:00	1.75	3.5	0	29.33	62.06	71.31	23.75
27-Sep	21:00	1.44	4	0	29.36	67.38	68.56	25.62
27-Sep	22:00	0.75	2	0	29.4	78.56	64.69	24.38
27-Sep	23:00	0.12	1.25	0	29.42	84.12	62.38	20.44
28-Sep	0:00	0.31	1.5	0	29.44	88.62	61.12	24.12
28-Sep	1:00	0.88	3.5	0	29.44	88.5	61.12	327.31
28-Sep	2:00	0.62	5	0	29.45	89.94	60.62	310.06
28-Sep	3:00	0.5	3.75	0	29.45	92.81	59.5	293.94
28-Sep	4:00	1.06	7	0	29.46	93.19	59.5	322.75
28-Sep	5:00	2.62	9.75	0	29.46	86.94	62.88	27.25
28-Sep	6:00	1.31	5	0	29.47	90.38	61.88	13.56
28-Sep	7:00	1.62	5	0	29.49	93.44	61.06	23.06
28-Sep	8:00	2.5	7.5	0	29.52	92.94	60.94	29
28-Sep	9:00	5.94	14.25	0	29.51	83.06	62.81	34.44
28-Sep	10:00	6.69	17.5	0	29.51	73.12	64.19	38.81
28-Sep	11:00	6.19	16.75	0	29.52	70.75	64	36.75
28-Sep	12:00	5.56	11.75	0	29.51	64.38	67.44	39.69
28-Sep	13:00	5.5	13	0	29.48	57.88	70.62	35.44
28-Sep	14:00	5.75	13.25	0	29.46	47.62	72.62	38.62
28-Sep	15:00	6	13	0	29.44	39.75	73.5	40.81
28-Sep	16:00	5.94	16	0	29.42	38.25	73.62	41.69
28-Sep	17:00	5.38	13.5	0	29.42	39.06	72.94	43.5
28-Sep	18:00	4.75	12.75	0	29.43	38.75	71.88	43.44
28-Sep	19:00	3.19	9	0	29.46	41.88	69.25	38.44
28-Sep	20:00	1.44	4.75	0	29.51	52.44	64	28.38
28-Sep	21:00	2.88	6.75	0	29.54	58.75	61.12	18.75
28-Sep	22:00	2.19	6	0	29.56	61.44	59.31	27.38
28-Sep	23:00	0.31	2.75	0	29.59	69.94	55.38	55.5
29-Sep	0:00	0.44	3.25	0	29.62	77.25	52.44	53.5
29-Sep	1:00	0.06	1.5	0	29.62	81.69	50	40.81
29-Sep	2:00	0.06	1.75	0	29.62	85.19	48.62	39.06
29-Sep	3:00	0.19	2	0	29.63	88.56	47.44	28.06
29-Sep	4:00	0	1	0	29.63	90.12	46.19	353.38
29-Sep	5:00	0	1.5	0	29.64	92.62	45.44	358.12
29-Sep	6:00	0	0	0	29.64	94.88	44.12	11.75
29-Sep	7:00	0	1.5	0	29.65	95.12	44.25	16.25
29-Sep	8:00	0.06	2	0	29.66	95.38	44.62	32.81
29-Sep	9:00	1.25	5	0	29.6	78.62	53.06	67.75
29-Sep	10:00	2.56	5.5	0	29.56	67.75	57.44	78.06
29-Sep	11:00	2.62	5.5	0	29.52	62.31	61.81	74.06
29-Sep	12:00	2.12	5.75	0	29.47	51.25	67.56	99.5
29-Sep	13:00	2.56	6.25	0	29.42	40.31	70.94	119.06
29-Sep	14:00	2.5	7.25	0	29.39	36.88	72	110.31
29-Sep	15:00	2.5	7	0	29.36	35.88	72.75	85.38
29-Sep	16:00	2.38	7.5	0	29.33	34.06	73.44	107.31
29-Sep	17:00	3.12	7.75	0	29.31	35.25	73	84.31
29-Sep	18:00	2.19	6.75	0	29.31	36.81	71.75	24.75

29-Sep	19:00	2.12	5	0	29.33	43.12	69	60.38
29-Sep	20:00	1.62	4.5	0	29.37	57.25	63.81	59.62
29-Sep	21:00	1.25	3.5	0	29.39	63.56	60.88	63.31
29-Sep	22:00	1.19	3.25	0	29.41	66.75	59.5	93.31
29-Sep	23:00	1.25	3.75	0	29.41	69.38	58.62	57.56
30-Sep	0:00	1.5	5.5	0	29.42	69.62	58.19	66.31
30-Sep	1:00	1.81	5	0	29.42	69.38	57.88	96.5
30-Sep	2:00	2.12	5.25	0	29.41	66.81	58.12	111.25
30-Sep	3:00	2.31	6	0	29.41	67.62	57.69	102.69
30-Sep	4:00	1.75	4.75	0	29.41	70.38	56.88	91.69
30-Sep	5:00	1.56	4.5	0	29.42	73.62	55.88	106.44
30-Sep	6:00	1.94	5.75	0	29.42	74.62	55.69	96.62
30-Sep	7:00	1.5	4	0	29.42	79.75	54.69	69.88
30-Sep	8:00	1.19	3.25	0	29.43	81.62	54.19	64.69
30-Sep	9:00	1.88	5.25	0	29.41	70.38	58.56	112.62
30-Sep	10:00	2.81	7	0	29.37	58.81	64.06	177.81
30-Sep	11:00	3.38	7.5	0	29.33	52.31	68.94	193.12
30-Sep	12:00	3.69	7.75	0	29.28	48.06	73.75	177.38
30-Sep	13:00	2.94	8.25	0	29.24	45.69	78	157.56
30-Sep	14:00	4.25	9.5	0	29.21	44.56	79.88	184
30-Sep	15:00	5.06	10.5	0	29.18	44.25	80.81	189.12
30-Sep	16:00	6.06	14	0	29.16	43.06	81.19	186.69
30-Sep	17:00	6.44	13	0	29.16	43.81	80.62	185.88
30-Sep	18:00	5.06	12.25	0	29.15	46.94	79.5	169.5
30-Sep	19:00	3.56	8.25	0	29.17	52.75	76.44	136.88
30-Sep	20:00	3.06	7.5	0	29.19	57	74.06	141.56
30-Sep	21:00	4.25	11	0	29.21	59.31	72.44	143.62
30-Sep	22:00	4.56	9.75	0	29.22	58.62	71.62	144.19
30-Sep	23:00	4.31	8.5	0	29.22	58.19	71	152.06
1-Oct	0:00	3.56	8.25	0	29.21	59.88	69.94	155.62
1-Oct	1:00	2.69	7.5	0	29.21	63.88	68.56	161.81
1-Oct	2:00	3.12	9.25	0	29.21	66.06	68.19	190.88
1-Oct	3:00	1.62	4.75	0	29.22	73	66.56	179.69
1-Oct	4:00	2.94	7.75	0	29.2	71.31	66.94	174.75
1-Oct	5:00	2.12	7	0.01	29.19	72.44	66.44	169.81
1-Oct	6:00	3.44	10.75	0	29.19	68.25	67.5	199.5
1-Oct	7:00	6.69	14	0	29.19	67.25	68	213.81
1-Oct	8:00	6.5	11.75	0	29.19	70.56	67.38	217.5
1-Oct	9:00	5.25	17	0.02	29.22	81.75	65.5	208.5
1-Oct	10:00	4.31	9	0.01	29.24	88.69	64.25	176.19
1-Oct	11:00	5.12	10.5	0	29.24	88.06	65.88	194.25
1-Oct	12:00	6.56	13.5	0	29.21	82.25	68.56	204.25
1-Oct	13:00	6.06	14	0	29.21	78.94	69.81	208.75
1-Oct	14:00	7.88	16	0	29.18	76	70.62	204.94
1-Oct	15:00	6.56	14.25	0.03	29.17	78.62	70.25	212.75
1-Oct	16:00	4.12	9.75	0.01	29.19	90.5	67.12	218.12
1-Oct	17:00	3.62	10.25	0	29.2	87.75	68.25	244.06
1-Oct	18:00	5.62	16.25	0	29.25	75.31	67	292.56
1-Oct	19:00	6.81	15	0	29.34	75	60.81	322.44
1-Oct	20:00	6.69	18	0	29.42	75.06	58.12	336.31
1-Oct	21:00	5	11.25	0	29.48	78.25	55.75	317.75
1-Oct	22:00	5.81	14.25	0	29.54	78.5	53.81	325.56
1-Oct	23:00	6.31	18.25	0	29.59	73.5	51.44	330.56
2-Oct	0:00	5.5	14.75	0	29.67	63.94	47.38	342.06
2-Oct	1:00	3.25	11.75	0	29.73	65.25	44.88	348.44
2-Oct	2:00	1.5	4	0	29.77	70.94	42.31	315.5
2-Oct	3:00	0.62	3	0	29.8	79.5	39.94	301.56
2-Oct	4:00	0.94	3	0	29.83	89.5	37.75	301.69
2-Oct	5:00	0.88	3.75	0	29.85	91.12	37.12	348.94
2-Oct	6:00	1	4	0	29.86	94.38	36.38	356.81
2-Oct	7:00	0.75	2.5	0	29.88	96.31	35.69	309.31
2-Oct	8:00	0.38	2	0	29.89	95	36.5	309.38
2-Oct	9:00	0.5	3	0	29.84	76.94	44.19	300.44

2-Oct	10:00	2.31	6.5	0	29.81	62	48.25	98.31
2-Oct	11:00	4.19	9.25	0	29.79	50.38	51.06	64.31
2-Oct	12:00	4	8.75	0	29.77	45.56	53.38	79.38
2-Oct	13:00	2.25	5.75	0	29.73	41.44	56.81	46.06
2-Oct	14:00	2.62	7	0	29.69	38.06	59.44	75.38
2-Oct	15:00	2.81	7	0	29.66	35.75	61.38	174.94
2-Oct	16:00	2.19	5.75	0	29.64	29.31	63.62	263.62
2-Oct	17:00	2.25	5.25	0	29.62	30.19	63.19	340.75
2-Oct	18:00	2.5	7.25	0	29.61	31.81	62.5	55.38
2-Oct	19:00	2.06	4.75	0	29.62	39.44	59.81	45.62
2-Oct	20:00	1.06	2.5	0	29.66	59.56	54.62	43.19
2-Oct	21:00	0.31	4.5	0	29.69	71.88	50.5	38.19
2-Oct	22:00	0.5	2.5	0	29.71	74.25	50.12	27.81
2-Oct	23:00	0.62	4.5	0	29.71	71.06	50.19	48.5
3-Oct	0:00	1.38	5.75	0	29.7	63.12	51.44	132.62
3-Oct	1:00	0.88	3.5	0	29.69	70	49.5	100.62
3-Oct	2:00	0.62	4.5	0	29.71	82.12	45.62	37.31
3-Oct	3:00	0.5	2.5	0	29.71	86.88	44.25	23.19
3-Oct	4:00	0.81	6	0	29.7	86.81	44.75	26.06
3-Oct	5:00	1.88	7.25	0	29.67	74.25	47.88	259.06
3-Oct	6:00	2.44	7.5	0	29.66	72.69	48	171.06
3-Oct	7:00	0.69	5.25	0	29.66	73.62	47.06	177.19
3-Oct	8:00	0.56	4.75	0	29.67	85.19	44.75	177.69
3-Oct	9:00	1.88	5	0	29.61	64.81	52.44	164.81
3-Oct	10:00	2	5	0	29.54	52.5	58.25	152.56
3-Oct	11:00	3.88	8.75	0	29.49	42.62	64.5	208.81
3-Oct	12:00	5.12	11.25	0	29.45	35.5	69.88	214.19
3-Oct	13:00	5.19	12.25	0	29.4	31.19	73.88	217.12
3-Oct	14:00	6	12.75	0	29.34	28.19	77.5	209.94
3-Oct	15:00	5.31	13.5	0	29.3	26.38	80.06	217.94
3-Oct	16:00	5.25	11.25	0	29.28	26.38	81.06	215.88
3-Oct	17:00	6.12	12	0	29.27	27.19	81	204.94
3-Oct	18:00	5.25	10.75	0	29.27	29.25	80.38	198.69
3-Oct	19:00	3.69	8.5	0	29.29	34.25	77.31	202.94
3-Oct	20:00	0.62	5.5	0	29.33	43.62	72.19	185.56
3-Oct	21:00	1.19	4.25	0	29.37	54.5	67.38	348.06
3-Oct	22:00	2.06	4.5	0	29.39	57.31	66.31	317.56
3-Oct	23:00	1.31	4.75	0	29.43	61.31	64.12	306.88
4-Oct	0:00	1	3.75	0	29.46	68.94	61.62	8
4-Oct	1:00	0.81	2	0	29.48	77.81	58.94	24.81
4-Oct	2:00	2.19	12.75	0	29.51	73.5	60	7
4-Oct	3:00	4	10.75	0	29.51	56.81	63.56	4.88
4-Oct	4:00	3.19	8	0	29.53	59.56	61.31	4.69
4-Oct	5:00	2.19	7.5	0	29.57	64.88	58.38	357.19
4-Oct	6:00	3.06	8	0	29.6	66.75	57	11.19
4-Oct	7:00	2.94	7.25	0	29.64	70.5	54.62	21.88
4-Oct	8:00	4.25	10.25	0	29.68	73.88	53.31	28.38
4-Oct	9:00	6	15	0	29.68	69.31	54.75	26
4-Oct	10:00	7.12	18.5	0	29.67	63.44	55.94	23.56
4-Oct	11:00	6.88	13	0	29.68	56.19	58.12	27.81
4-Oct	12:00	7	13.75	0	29.67	50.69	60.38	32.81
4-Oct	13:00	6.19	13.5	0	29.65	46.31	62.19	25.94
4-Oct	14:00	6.19	14.25	0	29.63	42.06	63.81	22.88
4-Oct	15:00	5.62	14.75	0	29.62	40.44	65.25	32.69
4-Oct	16:00	5.31	12	0	29.61	38.94	65.75	27.12
4-Oct	17:00	4.56	10.25	0	29.61	36.88	65.19	26.56
4-Oct	18:00	3.75	9.5	0	29.62	38.88	64.12	23.06
4-Oct	19:00	3.62	7	0	29.64	45.5	60.69	359.75
4-Oct	20:00	3.31	7.5	0	29.69	53.56	56.88	358.69
4-Oct	21:00	2.25	7.75	0	29.72	57.38	54.31	3.88
4-Oct	22:00	2.88	7.5	0	29.74	59.56	52.75	22.88
4-Oct	23:00	1.5	6.75	0	29.76	65.81	50.06	41.31
5-Oct	0:00	0.38	2.5	0	29.78	71.69	47.5	23.81

5-Oct	1:00	1.81	3.5	0	29.78	73.19	46.69	49.81
5-Oct	2:00	2.69	6.25	0	29.79	71.69	46.75	59
5-Oct	3:00	1.88	4.75	0	29.8	74.38	45.94	54.81
5-Oct	4:00	1.44	5.5	0	29.81	76.62	44.94	45.25
5-Oct	5:00	1.06	2.75	0	29.82	79.44	43.69	45.31
5-Oct	6:00	1.44	6.5	0	29.83	80.94	42.88	33.94
5-Oct	7:00	1.62	3.75	0	29.84	82.69	42.44	43.69
5-Oct	8:00	1.31	3.75	0	29.84	83.31	42.38	42.31
5-Oct	9:00	3.56	6.25	0	29.83	77.12	45.38	21.81
5-Oct	10:00	2.94	6.75	0	29.8	65.12	50.5	5.88
5-Oct	11:00	1.88	7	0	29.71	45.75	59.94	253.62
5-Oct	12:00	3.44	9.5	0	29.67	41.25	63.25	347.44
5-Oct	13:00	3.44	9	0	29.63	37.5	66.12	344.94
5-Oct	14:00	3.56	8.5	0	29.59	33.31	68.81	345.94
5-Oct	15:00	2.62	7	0	29.55	30.44	72.19	270.06
5-Oct	16:00	2.94	7.75	0	29.52	29.81	73.94	263.44
5-Oct	17:00	2.75	8	0	29.51	32.06	73.31	312.81
5-Oct	18:00	3.62	8	0	29.52	35.38	70.69	1.25
5-Oct	19:00	4.12	8.5	0	29.54	40.12	67.44	102.12
5-Oct	20:00	3.56	7.75	0	29.58	47.31	63.94	78.12
5-Oct	21:00	3.06	7.25	0	29.6	55.06	60.56	61.81
5-Oct	22:00	3	5.25	0	29.61	56.19	59.5	72.38
5-Oct	23:00	3.25	8.25	0	29.62	56.5	58.62	66.19
6-Oct	0:00	3.38	7.25	0	29.62	54.88	58.19	59.88
6-Oct	1:00	3	6.5	0	29.62	58.44	56.69	54.88
6-Oct	2:00	2.44	5	0	29.63	60.81	55.19	49.12
6-Oct	3:00	2.12	4.25	0	29.65	63.25	53.5	35.25
6-Oct	4:00	2	4.25	0	29.66	63.75	53.12	28.75
6-Oct	5:00	2.56	9.25	0	29.65	63.69	52.94	36.25
6-Oct	6:00	1.44	4	0	29.66	66.38	52.31	37.38
6-Oct	7:00	2	7.75	0	29.67	66.06	52	45.25
6-Oct	8:00	2.12	5	0	29.66	64.19	52.56	67.38
6-Oct	9:00	2.81	6.25	0	29.64	56.25	56.69	85.56
6-Oct	10:00	3.25	9	0	29.59	48.5	61.31	103.19
6-Oct	11:00	3.56	9.25	0	29.57	42.12	66.12	150.38
6-Oct	12:00	4.31	9.75	0	29.54	38.75	69.44	134.62
6-Oct	13:00	5.44	11	0	29.51	34.44	73.12	97.94
6-Oct	14:00	6.12	12	0	29.47	34.38	75.06	89
6-Oct	15:00	6.69	13	0	29.44	33.44	75.94	101.5
6-Oct	16:00	5.81	14	0	29.42	33.56	76.75	97.75
6-Oct	17:00	6.5	14.5	0	29.41	34.56	76.56	107.06
6-Oct	18:00	5.75	12.5	0	29.42	38.38	74.94	99.19
6-Oct	19:00	4.44	13	0	29.43	41.62	73	95.31
6-Oct	20:00	3.38	6.5	0	29.44	48.38	70.25	61.94
6-Oct	21:00	3.56	7.25	0	29.46	48.62	69.38	67.19
6-Oct	22:00	3.62	8	0	29.46	49.19	68.56	66.75
6-Oct	23:00	3.12	7.25	0	29.47	51.31	67.25	66.19
7-Oct	0:00	2.94	7	0	29.47	49.31	68	106.06
7-Oct	1:00	5	10.5	0	29.46	48.31	67.56	125.62
7-Oct	2:00	4.81	12.25	0	29.46	47.94	67.31	140.62
7-Oct	3:00	4.5	10	0.01	29.48	58.06	65.38	168.88
7-Oct	4:00	5.56	13	0.05	29.51	87.5	59.25	161.44
7-Oct	5:00	2.56	6.25	0.06	29.51	94.75	57.81	76.69
7-Oct	6:00	3.31	8.25	0.04	29.5	95.62	58.12	70.19
7-Oct	7:00	3.25	5.75	0.03	29.49	94.75	58.06	62.56
7-Oct	8:00	2.44	5.25	0.02	29.49	95.94	57.81	65.06
7-Oct	9:00	2.25	5.75	0.02	29.51	96.94	58	60.44
7-Oct	10:00	2.94	6.5	0.01	29.51	99.69	58.56	76.38
7-Oct	11:00	2.94	6.5	0.01	29.49	99.25	60.19	75.12
7-Oct	12:00	3.19	7.25	0.01	29.48	95.94	60.44	79.25
7-Oct	13:00	3.12	8.25	0.03	29.46	95.12	60.88	35.12
7-Oct	14:00	3	7.75	0.02	29.46	98.5	60.31	66.5
7-Oct	15:00	3.44	6.25	0.01	29.42	99.94	61.5	66.5

7-Oct	16:00	1.69	5.75	0.01	29.4	99.25	64.31	50.56
7-Oct	17:00	2.25	7	0.01	29.41	99.69	64.94	57.62
7-Oct	18:00	2.5	6.25	0.01	29.39	100	64.56	130.88
7-Oct	19:00	4.25	9.25	0	29.38	100	64.25	125.31
7-Oct	20:00	3.31	9	0	29.36	100	63.88	83.06
7-Oct	21:00	1.88	5	0	29.37	100	63.56	71.81
7-Oct	22:00	2.06	5.75	0	29.36	100	63.56	59.62
7-Oct	23:00	0.94	3	0	29.36	100	63.56	53.94
8-Oct	0:00	0.19	1.75	0	29.36	100	63.62	65.69
8-Oct	1:00	0.12	2.25	0	29.35	100	63.5	65.69
8-Oct	2:00	0.75	4.75	0	29.34	100	64	100.88
8-Oct	3:00	3.38	9.25	0	29.34	100	64.38	220.88
8-Oct	4:00	2.69	7	0	29.34	100	64.12	219.88
8-Oct	5:00	3.12	8.25	0	29.34	100	64	215.88
8-Oct	6:00	3.62	8.5	0	29.36	99.56	63.25	226.12
8-Oct	7:00	4.25	8.5	0	29.38	98.62	62.75	214.19
8-Oct	8:00	3.69	9.5	0	29.39	98.5	62.56	215.25
8-Oct	9:00	2.75	6	0	29.39	98.12	63.06	218.31
8-Oct	10:00	3.31	7	0	29.39	96.88	64.31	212.25
8-Oct	11:00	3.69	9	0	29.38	92.19	66.44	212.69
8-Oct	12:00	2.81	7.75	0	29.35	85	69.19	248.12
8-Oct	13:00	1.75	6.25	0	29.34	80.88	70.62	21.25
8-Oct	14:00	1.38	6	0	29.32	75.44	73	176.62
8-Oct	15:00	1.81	6.25	0	29.29	68.38	76.38	169.44
8-Oct	16:00	1.94	6.25	0	29.28	65.31	77.5	245.88
8-Oct	17:00	2	5.75	0	29.28	68.81	76.06	308.38
8-Oct	18:00	2	5	0	29.31	72.62	74.44	342.75
8-Oct	19:00	0.69	3	0	29.34	78.56	72.19	348.44
8-Oct	20:00	0	1.75	0	29.38	89.25	67.62	344.94
8-Oct	21:00	0.31	5	0	29.41	93.69	65.56	18.62
8-Oct	22:00	0.06	2	0	29.43	97.38	63.62	32.56
8-Oct	23:00	0	0	0	29.44	99.5	62.75	32.56
9-Oct	0:00	0.19	2.25	0	29.46	100	62.12	33
9-Oct	1:00	1.88	8.25	0	29.48	99	62.06	9.12
9-Oct	2:00	3.44	11.75	0	29.49	80.75	61.5	14.5
9-Oct	3:00	4.44	10	0	29.5	73.44	59.75	22.5
9-Oct	4:00	2.94	7	0	29.51	76.56	57.56	41.38
9-Oct	5:00	2.06	5	0	29.52	80.31	55.75	39.06
9-Oct	6:00	3.38	7	0	29.54	78.81	55.69	26.56
9-Oct	7:00	2.5	7.5	0	29.56	82.31	53.88	43.19
9-Oct	8:00	2.06	5	0	29.58	85.62	52.5	44.44
9-Oct	9:00	3.06	8	0	29.57	80.19	55.25	50.88
9-Oct	10:00	4.69	9.25	0	29.53	70.19	60	52.25
9-Oct	11:00	6.06	12.75	0	29.51	63.62	63.62	65.31
9-Oct	12:00	6.88	12.75	0	29.48	57.06	66.94	61.5
9-Oct	13:00	5.75	10.75	0	29.45	51.31	69.81	64.88
9-Oct	14:00	5.44	11.5	0	29.41	47.38	71.75	62.12
9-Oct	15:00	5.31	10.5	0	29.38	45.5	72.94	71.62
9-Oct	16:00	5.38	10.5	0	29.36	47.19	73.25	63.81
9-Oct	17:00	4.94	8.75	0	29.36	49.81	72.62	56.38
9-Oct	18:00	4.5	9.5	0	29.37	51.88	71.25	52
9-Oct	19:00	3.75	7.25	0	29.39	56.94	68.06	28.44
9-Oct	20:00	2.25	5.25	0	29.44	66.5	63.88	32.44
9-Oct	21:00	2.19	7.5	0	29.46	69.88	61.81	43.44
9-Oct	22:00	2.06	6.75	0	29.48	71.06	60.56	45.06
9-Oct	23:00	1	5	0	29.49	76.62	58.25	25.69
10-Oct	0:00	0.81	2.75	0	29.5	81.19	56.38	28.25
10-Oct	1:00	1.25	3	0	29.5	79.75	56.38	61
10-Oct	2:00	1.81	5.25	0	29.51	81.88	55.44	38.44
10-Oct	3:00	2.12	7.75	0	29.51	82.12	55.06	46.69
10-Oct	4:00	2.06	5	0	29.5	81.81	54.75	49.75
10-Oct	5:00	2.06	4.75	0	29.5	82.75	53.94	50.25
10-Oct	6:00	1.19	3.25	0	29.51	83.31	53.06	56.19

10-Oct	7:00	2.25	7	0	29.52	84.69	52.19	50.38
10-Oct	8:00	1.94	4	0	29.53	84.75	51.81	59.25
10-Oct	9:00	2.69	5.75	0	29.53	80.38	53.62	48.31
10-Oct	10:00	5.31	11	0	29.49	70.25	58.12	56.31
10-Oct	11:00	6.19	11	0	29.46	67.5	62.38	56.88
10-Oct	12:00	6.06	11.25	0	29.43	65.88	66.38	57.06
10-Oct	13:00	6.5	12.25	0	29.41	65.75	67.31	58.44
10-Oct	14:00	6	11.5	0	29.38	62.75	69.31	57.12
10-Oct	15:00	6	12	0	29.36	57.12	70.5	57.38
10-Oct	16:00	6.38	14.25	0	29.34	52.5	71.19	54.25
10-Oct	17:00	6.31	12.25	0	29.33	49.62	71.06	47.69
10-Oct	18:00	5.06	11.5	0	29.35	51.12	69.38	36.25
10-Oct	19:00	5.44	12	0	29.38	54.38	66.56	27.88
10-Oct	20:00	5.81	11.25	0	29.4	56.5	64.56	33.38
10-Oct	21:00	5	11	0	29.42	57.19	63.19	37.69
10-Oct	22:00	5.38	11.5	0	29.43	57.69	62.12	34.81
10-Oct	23:00	5.31	10.5	0	29.44	55.19	61.56	49.88
11-Oct	0:00	5.38	10.5	0	29.44	55.19	60.56	44.56
11-Oct	1:00	4.75	9.5	0	29.44	55.75	59.56	46.06
11-Oct	2:00	4.75	8.25	0	29.44	56.94	58.69	46.19
11-Oct	3:00	3.62	7.5	0	29.44	61.19	57.5	50.19
11-Oct	4:00	3.75	7.5	0	29.44	61	56.94	31.44
11-Oct	5:00	3.94	7.75	0	29.44	60.38	56.62	32.12
11-Oct	6:00	3.94	9.5	0	29.44	59.88	56.19	32.56
11-Oct	7:00	4.69	8.5	0	29.44	60.19	55.94	33.44
11-Oct	8:00	5.88	11.75	0	29.45	62.81	55	31.25
11-Oct	9:00	5.75	10	0	29.47	63.69	54.75	35.06
11-Oct	10:00	5	9.25	0	29.48	64.69	55.12	42.19
11-Oct	11:00	6.06	12	0	29.47	65.06	55.5	38.75
11-Oct	12:00	5.5	11	0	29.47	71.75	54.19	30.75
11-Oct	13:00	3.81	8	0	29.47	81.88	52.81	31.56
11-Oct	14:00	3.56	8.5	0	29.45	85.94	52.62	3.62
11-Oct	15:00	3.19	7.25	0	29.43	89.12	52.44	359.88
11-Oct	16:00	3.62	9.25	0	29.41	86.94	53.62	0.38
11-Oct	17:00	4.31	10	0	29.39	86.25	53.81	357.44
11-Oct	18:00	4.94	12.5	0	29.39	88.62	53.5	1.81
11-Oct	19:00	5.56	13	0	29.4	90.75	52.56	3.12
11-Oct	20:00	5.81	12.75	0	29.41	89.56	52.25	4.12
11-Oct	21:00	5.88	14.75	0	29.41	88	52.19	8.88
11-Oct	22:00	1.31	5	0	29.42	91.12	51.38	357.81
11-Oct	23:00	3.31	7	0	29.41	96.06	50.69	0.19
12-Oct	0:00	4.69	11.5	0	29.39	96.12	51.31	3.88
12-Oct	1:00	4.94	10.25	0	29.37	95.06	51.44	2.88
12-Oct	2:00	4.62	11.5	0	29.36	93	51.75	358.12
12-Oct	3:00	4.31	9.75	0	29.34	92.81	51.88	358.62
12-Oct	4:00	4.31	10.5	0	29.33	93	51.81	357.19
12-Oct	5:00	5.25	11.75	0	29.32	92.75	51.94	355.62
12-Oct	6:00	4.75	11	0	29.33	95.06	51.44	359.44
12-Oct	7:00	4.88	11.75	0	29.33	97.25	51.25	358.06
12-Oct	8:00	4.38	11	0	29.32	98.94	50.75	357.31
12-Oct	9:00	5.06	11	0	29.31	99.94	50.5	2.5
12-Oct	10:00	6.06	14.75	0	29.3	98.62	50.94	4.19
12-Oct	11:00	5.19	12.75	0	29.31	96.56	50.88	4.19
12-Oct	12:00	4.19	10.25	0	29.3	98.12	50.56	356.81
12-Oct	13:00	3.56	8.25	0	29.28	99.12	51.06	349.31
12-Oct	14:00	2.88	7	0	29.26	98.75	51.81	344
12-Oct	15:00	2.69	7.5	0	29.24	97.94	52.06	338.81
12-Oct	16:00	3.25	8.75	0	29.24	97.81	51.94	342.06
12-Oct	17:00	1.94	5	0	29.24	99.75	51.69	338.75
12-Oct	18:00	2.44	7	0	29.24	100	52.12	328
12-Oct	19:00	2.19	7	0	29.25	100	52.06	317.44
12-Oct	20:00	3.88	10.25	0	29.25	99.81	52.06	355.06
12-Oct	21:00	1.94	6	0	29.24	98	51.69	337.25

12-Oct	22:00	1.25	5.75	0	29.24	92.38	52.38	355.69
12-Oct	23:00	1	4.25	0	29.24	93.5	52.06	299.06
13-Oct	0:00	0.69	3.75	0	29.24	97.5	51.44	289.44
13-Oct	1:00	0.5	4	0	29.24	99.12	51.06	252.44
13-Oct	2:00	0	4.5	0	29.25	100	49.31	0.12
13-Oct	3:00	0.38	1.75	0	29.26	100	48.31	5.88
13-Oct	4:00	0.75	5.25	0	29.26	100	47.75	282.62
13-Oct	5:00	0.38	3.25	0	29.26	100	46.12	256.75
13-Oct	6:00	0.44	2.25	0	29.26	100	45.75	287.69
13-Oct	7:00	1.75	5.25	0	29.27	100	46.31	261.38
13-Oct	8:00	1.88	7	0	29.28	100	46.19	251.19
13-Oct	9:00	3.19	8	0	29.28	99.75	48.62	253.06
13-Oct	10:00	3.44	8	0	29.26	91.44	52.5	252.31
13-Oct	11:00	3.44	11.25	0	29.21	74.06	58	264.19
13-Oct	12:00	4	10.25	0	29.19	68.56	60.81	296
13-Oct	13:00	5.38	16	0	29.18	66.44	63.12	327.62
13-Oct	14:00	7.56	19	0	29.14	60.69	66	334.56
13-Oct	15:00	5.62	14.75	0	29.15	60.62	64.88	323
13-Oct	16:00	6.81	18.25	0	29.18	63.75	62.75	334.38
13-Oct	17:00	6.31	14.5	0	29.22	68.75	59.88	325.94
13-Oct	18:00	4.19	14.25	0	29.25	70.25	58.62	331.94
13-Oct	19:00	1.5	6.5	0	29.26	71.31	58.12	314.81
13-Oct	20:00	4	10	0	29.27	66.44	57.88	306.81
13-Oct	21:00	4.62	12	0	29.29	62.88	56.12	323.44
13-Oct	22:00	4.38	13.5	0	29.31	61.44	54.75	328.31
13-Oct	23:00	6.38	16.25	0	29.34	62	52.56	338.19
14-Oct	0:00	4	10	0	29.36	65.06	50.19	326.88
14-Oct	1:00	2	6.25	0	29.36	68.94	48.69	294
14-Oct	2:00	1.69	8	0	29.34	72.06	47.81	293.19
14-Oct	3:00	1.69	5.25	0	29.33	71.94	47.69	291.19
14-Oct	4:00	2.19	5.75	0	29.31	73.56	47.31	288.44
14-Oct	5:00	2.5	9.75	0	29.31	73.88	46.75	290.06
14-Oct	6:00	2.88	8.25	0	29.29	71.19	46.38	300.44
14-Oct	7:00	3.19	10.75	0	29.29	71.94	45.62	287.94
14-Oct	8:00	3.19	10.5	0	29.3	73.44	44.25	293
14-Oct	9:00	3.5	10.25	0	29.31	75.69	43.12	293.31
14-Oct	10:00	3.25	8	0	29.29	75.81	43.56	291.69
14-Oct	11:00	3.56	8.5	0	29.27	74.12	45.38	308.81
14-Oct	12:00	3.75	9.5	0	29.24	71.75	46.75	290.19
14-Oct	13:00	4.5	12.25	0	29.19	67.31	49.94	292
14-Oct	14:00	4.81	13.5	0	29.14	61.44	53.31	285.5
14-Oct	15:00	4.44	11	0	29.1	58.5	54.94	289.31
14-Oct	16:00	4.12	10.25	0	29.09	57.88	54.5	277.38
14-Oct	17:00	4.56	11.75	0	29.07	54	55.56	258.5
14-Oct	18:00	3	8.25	0	29.07	58.06	53.81	308.44
14-Oct	19:00	1.62	7	0	29.08	61.88	51.94	296.56
14-Oct	20:00	0.5	3	0	29.11	70	48.56	282
14-Oct	21:00	0.31	2.5	0	29.13	76.88	46.5	282
14-Oct	22:00	0.69	3	0	29.13	78.5	46	263.56
14-Oct	23:00	0.75	3.75	0	29.12	78.06	46.06	279.31
15-Oct	0:00	1.19	4	0	29.11	74.88	46.62	264.5
15-Oct	1:00	0.88	4	0	29.1	76.06	46.31	266.75
15-Oct	2:00	0.81	4.25	0	29.09	76.56	46.31	261.12
15-Oct	3:00	0.94	3.25	0	29.09	78.25	46.19	263.31
15-Oct	4:00	0.88	3.5	0	29.09	77.62	46	238.62
15-Oct	5:00	0.69	2.75	0	29.12	84.56	43.12	221.94
15-Oct	6:00	1.81	7	0	29.14	87.88	42.12	232.19
15-Oct	7:00	2.06	6.25	0	29.15	87.25	41.94	250.5
15-Oct	8:00	1.69	5.75	0	29.17	90.31	41.44	247.75
15-Oct	9:00	3.12	7.5	0	29.15	86.5	45	220.75
15-Oct	10:00	3.5	10.25	0	29.12	79.62	50	261.56
15-Oct	11:00	4.94	12	0	29.08	64.25	56.94	274.12
15-Oct	12:00	6.31	16.5	0	29.05	49.5	60.38	306.81

15-Oct	13:00	5.94	18.25	0	29.04	46	61.12	287.75
15-Oct	14:00	5.69	15	0	29.02	44.19	62.06	286.31
15-Oct	15:00	6.12	16.25	0	29.04	44.12	60.31	283.12
15-Oct	16:00	5.62	15	0	29.08	45.81	58.19	270.88
15-Oct	17:00	3.81	12.5	0	29.09	48.81	57.31	283.81
15-Oct	18:00	3.44	8.75	0	29.11	49.56	56.56	297.5
15-Oct	19:00	2.44	7.75	0	29.14	51.31	55.25	266.38
15-Oct	20:00	3	8.5	0	29.19	55.62	53.69	315.12
15-Oct	21:00	2.88	8	0	29.23	59.12	51.31	330.81
15-Oct	22:00	1.81	6	0	29.26	62.25	49.62	266.19
15-Oct	23:00	0.69	4.5	0	29.29	68.06	48.12	278.31
16-Oct	0:00	1.75	5.5	0	29.31	72.88	46.38	258.69
16-Oct	1:00	1.69	4.5	0	29.34	75.75	44.31	255.62
16-Oct	2:00	1.38	5	0	29.36	78.12	42.69	265.38
16-Oct	3:00	1.19	4.25	0	29.37	78.19	41.75	260.81
16-Oct	4:00	2.19	7.25	0	29.39	78.81	41.06	239.81
16-Oct	5:00	1.88	6	0	29.39	77.12	40.88	254.38
16-Oct	6:00	1.44	6	0	29.42	79.56	39.62	260.44
16-Oct	7:00	1.12	5.25	0	29.42	81.31	38.94	261.12
16-Oct	8:00	1.19	5	0	29.44	83.5	38.31	250.31
16-Oct	9:00	2	6.25	0	29.43	78.69	41.69	254.31
16-Oct	10:00	3.06	7.5	0	29.38	65.06	46.5	314.75
16-Oct	11:00	4.38	11.75	0	29.36	56.31	49.62	318.38
16-Oct	12:00	5.31	13.5	0	29.35	49.38	52.38	289.75
16-Oct	13:00	5	14	0	29.33	44.88	54.75	292.62
16-Oct	14:00	5.31	14.75	0	29.3	39.94	56.75	262.88
16-Oct	15:00	3.81	9	0	29.27	38.31	58.62	276.12
16-Oct	16:00	3.88	9.75	0	29.24	35.12	60.12	268.38
16-Oct	17:00	3.94	10	0	29.25	35.88	60.19	261.81
16-Oct	18:00	3.25	9	0	29.26	39.44	58.44	258.94
16-Oct	19:00	1.75	6.75	0	29.29	48.69	55.38	227.19
16-Oct	20:00	0.5	2.75	0	29.33	68.44	49.5	213.31
16-Oct	21:00	0.19	2.75	0	29.35	77.5	46.81	226.31
16-Oct	22:00	0.19	3	0	29.34	76.44	48.75	242.69
16-Oct	23:00	1	3	0	29.34	69.94	49.88	293.62
17-Oct	0:00	0.38	2.25	0	29.34	72.81	49.69	13.5
17-Oct	1:00	0.69	4.25	0	29.35	76.5	48.56	19.31
17-Oct	2:00	0.06	2.25	0	29.39	86.38	44	23.69
17-Oct	3:00	0.25	3.25	0	29.41	91.81	42.31	23.12
17-Oct	4:00	0.44	4.5	0	29.41	94.44	41.44	23.44
17-Oct	5:00	0.75	2.75	0	29.42	96.12	40.62	26.12
17-Oct	6:00	1	5.5	0	29.41	97.5	40.75	25.19
17-Oct	7:00	0.81	3.25	0	29.41	97.94	39.94	23.38
17-Oct	8:00	2.44	6.25	0	29.41	96.44	41.56	31.94
17-Oct	9:00	2.62	5.25	0	29.39	92	43.31	31.19
17-Oct	10:00	3.88	7.75	0	29.35	80.25	49.75	7.75
17-Oct	11:00	4.19	10.75	0	29.29	64.62	56.75	61.75
17-Oct	12:00	5	11.5	0	29.22	49.06	63.06	96.69
17-Oct	13:00	6.38	13.5	0	29.17	44.94	65.62	128.88
17-Oct	14:00	7.12	13.75	0	29.12	43.5	66.75	126.75
17-Oct	15:00	6.5	12.5	0	29.09	41.75	68.25	123
17-Oct	16:00	7	15.25	0	29.06	41.31	69	111.56
17-Oct	17:00	6.69	12.25	0	29.04	43	68.25	112
17-Oct	18:00	5.88	14.5	0	29.04	48.88	66.94	110.81
17-Oct	19:00	5.75	14.75	0	29.05	52.44	64.69	109
17-Oct	20:00	4.06	10.25	0	29.06	55.88	62.56	90.75
17-Oct	21:00	4.25	8	0	29.07	60.12	60.44	53.06
17-Oct	22:00	4.94	10.75	0	29.06	60.19	60	60.94
17-Oct	23:00	4.69	10.75	0	29.06	60.19	59.56	59
18-Oct	0:00	5.88	10	0	29.04	61.94	58.62	55
18-Oct	1:00	5.31	11.25	0	29.02	63.62	58.25	55.19
18-Oct	2:00	4.81	8.75	0	29.01	65.94	58.06	51.19
18-Oct	3:00	4.5	8.25	0	28.99	72	56.62	44.06

weatherborax

18-Oct	4:00	6	10.75	0	28.96	72.94	56.19	62.19
18-Oct	5:00	6.25	11.75	0	28.95	76.5	55.31	54.44
18-Oct	6:00	6.12	12.75	0	28.96	82.38	54.19	53.12
18-Oct	7:00	6.25	13.75	0	28.96	86.62	53.81	52.12
18-Oct	8:00	6.06	13.5	0	28.95	90.44	53.44	56.56
18-Oct	9:00	4.56	10.75	0	28.96	92.75	53.62	43
18-Oct	10:00	4.81	10	0	28.96	94.25	54.19	48.12
18-Oct	11:00	5	10.25	0	28.95	94.44	55.38	45.19
18-Oct	12:00	5.94	11.25	0	28.94	95.44	55.38	48.81
18-Oct	13:00	5.75	11.25	0	28.96	97.75	55.12	46.06
18-Oct	14:00	4.56	10	0	28.96	98.06	55.12	32.25
18-Oct	15:00	4.62	9.75	0	28.96	99.06	55.19	32.25
18-Oct	16:00	4.31	8.75	0	28.97	98.25	55.25	14.06
18-Oct	17:00	3.81	9.25	0	28.99	96.94	55.12	357.69
18-Oct	18:00	3.56	8.75	0	29.02	96.5	54.75	3.38
18-Oct	19:00	3.31	7.75	0	29.06	97.69	53.81	357
18-Oct	20:00	3.06	7.5	0	29.09	99.81	52.81	2.5
18-Oct	21:00	2.75	5.5	0	29.11	100	52.25	353.62
18-Oct	22:00	2.38	6.5	0	29.12	100	51.94	359.81
18-Oct	23:00	1.94	5.75	0	29.14	100	51.81	356.88
19-Oct	0:00	2.94	7.25	0	29.16	100	51.44	357.06
19-Oct	1:00	1.5	5.5	0	29.17	100	51.38	344.44
19-Oct	2:00	3.25	8	0	29.16	100	50.94	1.25
19-Oct	3:00	2.94	8.5	0	29.17	100	50.56	4.62
19-Oct	4:00	2.69	8.25	0	29.19	100	50.12	2.12
19-Oct	5:00	2.62	6.25	0	29.21	100	50	355.94
19-Oct	6:00	2.31	6.25	0	29.23	100	49.88	11.38
19-Oct	7:00	2.19	6.25	0	29.24	100	49.62	6
19-Oct	8:00	3.31	6.75	0	29.26	100	49.69	358.94
19-Oct	9:00	3.19	6.75	0	29.28	100	50.12	354.56
19-Oct	10:00	3.12	7.5	0	29.29	99.56	50.81	1.12
19-Oct	11:00	2.94	7	0	29.3	97.06	51.75	343.31

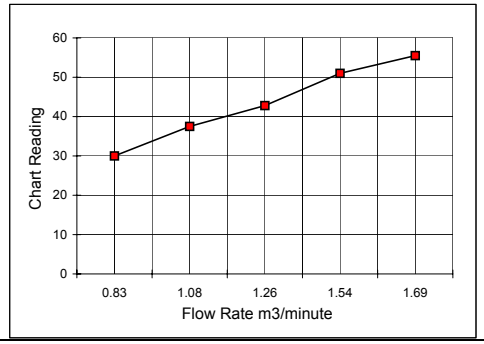
TSP Calibration Data

(enter values highlighted in red)

Sampler SN:	451	**Bar. Pressure:**	760	mm Hg	**Orifice s/n:**	F95
Date:	8/26/2004	**Temperature:**	80.0	F	**Slope:**	0.9925
Time:	10:30	**Temperature:**	26.7	C	**Intercept:**	-0.0108
					Correlation:	0.9999

Sampler ID: **US Borax**

Chart Reading	Orifice Manometer Inches H2O	Corrected Chart	Corrected Orifice	Calculated Flow (Qa) m3/min
30	1.68	3.61	0.81	0.83
37.5	2.83	4.03	1.06	1.08
42.8	3.90	4.31	1.24	1.26
51	5.85	4.70	1.52	1.54
55.5	7.05	4.91	1.67	1.69



Sampler Regression Data

Slope:	1.4972
Intercept:	2.3959
Correlation:	0.9986
	0.99500

Calibration Set Point:

45 <set sampler to operate at this chart reading to obtain 1.35 m3/minute nominal flowrate

Flow Rate Calculation for Individual Sample Events: *(enter values highlighted in red)*

				Total Minutes Sampled	Total Cubic Meters
Chart Reading	51.5	Corrected Chart	**Flow Rate**		
Temperature	26.4 deg C	4.78	1.59	402.3	640.0552862
Pressure	743.1 mm Hg		**m3/minute**		9/2/2004

Sample volume in cubic meters is calculated as (Sample Flow Rate in cubic meters per minute)*(Sample Time in minutes)

Calibrated by: AAM Cost Center

Reference: EPA Method IO-2, June 1999. Actual flowrates calculated for a linear recorder chart scale

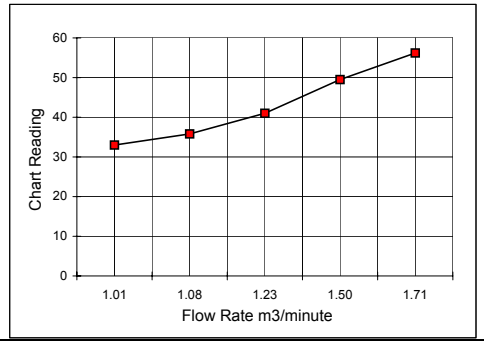
TSP Calibration Data

(enter values highlighted in red)

Sampler SN:	288	**Bar. Pressure:**	750	mm Hg	**Orifice s/n:**	F95
Date:	8/26/2004	**Temperature:**	69.5	F	**Slope:**	0.9925
Time:	11:00	**Temperature:**	20.8	C	**Intercept:**	-0.0108
					Correlation:	0.9999

Sampler ID: US Borax

Chart Reading	Orifice Manometer Inches H2O	Corrected Chart	Corrected Orifice	Calculated Flow (Qa) m3/min
33	2.53	3.77	1.00	1.01
35.8	2.85	3.93	1.06	1.08
41	3.75	4.21	1.21	1.23
49.5	5.55	4.62	1.47	1.50
56.2	7.30	4.93	1.69	1.71



Sampler Regression Data

Slope:	1.6201
Intercept:	2.1758
Correlation:	0.9975
	0.99500

Calibration Set Point:

44 <set sampler to operate at this chart reading to obtain 1.35 m3/minute nominal flowrate

Flow Rate Calculation for Individual Sample Events: *(enter values highlighted in red)*

					Sample
Flow Rate Calculation:	Chart Reading	47.5	Corrected Chart	**Flow Rate**	Total Minutes Sampled	**Total Cubic Meters**
	Temperature	26.4 deg C	4.59	1.49	402.3	599.180163
	Pressure	743.1 mm Hg		**m3/minute**		9/2/200

Sample volume in cubic meters is calculated as (Sample Flow Rate in cubic meters per minute)*(Sample Time in minutes)

Calibrated by: AAM Cost Center

Reference: EPA Method IO-2, June 1999. Actual flowrates calculated for a linear recorder chart scale

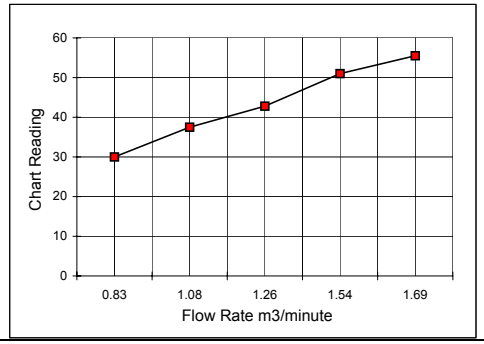
TSP Calibration Data

(enter values highlighted in red)

Sampler SN:	451	**Bar. Pressure:**	760	mm Hg	**Orifice s/n:**	F95
Date:	8/26/2004	**Temperature:**	80.0	F	**Slope:**	0.9925
Time:	10:30	**Temperature:**	26.7	C	**Intercept:**	-0.0108
					Correlation:	0.9999

Sampler ID: US Borax

Chart Reading	Orifice Manometer Inches H2O	Corrected Chart	Corrected Orifice	Calculated Flow (Qa) m3/min
30	1.68	3.61	0.81	0.83
37.5	2.83	4.03	1.06	1.08
42.8	3.90	4.31	1.24	1.26
51	5.85	4.70	1.52	1.54
55.5	7.05	4.91	1.67	1.69



Sampler Regression Data

Slope:	1.4972
Intercept:	2.3959
Correlation:	0.9986
	0.99500

Calibration Set Point:

45 <set sampler to operate at this chart reading to obtain 1.35 m3/minute nominal flowrate

Flow Rate Calculation for Individual Sample Events: *(enter values highlighted in red)*

				Sample
Chart Reading	52	Corrected Chart	**Flow Rate**	Total Minutes Sampled	**Total Cubic Meters**
Temperature	33.2 deg C	4.89	1.67	600	999.9143262
Pressure	730.8 mm Hg		**m3/minute**		8/26/2004

Sample volume in cubic meters is calculated as (Sample Flow Rate in cubic meters per minute)*(Sample Time in minutes)

Calibrated by: AAM Cost Center

Reference: EPA Method IO-2, June 1999. Actual flowrates calculated for a linear recorder chart scale

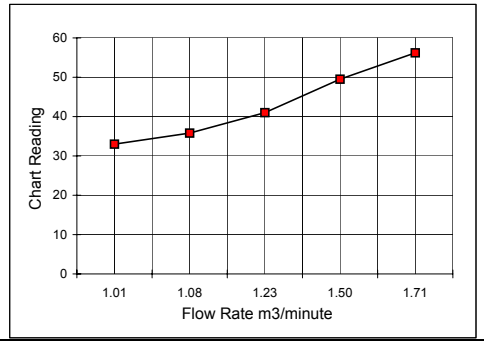
TSP Calibration Data

(enter values highlighted in red)

Sampler SN:	288	**Bar. Pressure:**	750	mm Hg	**Orifice s/n:**	F95
Date:	8/26/2004	**Temperature:**	69.5	F	**Slope:**	0.9925
Time:	11:00	**Temperature:**	20.8	C	**Intercept:**	-0.0108
					Correlation:	0.9999

Sampler ID: US Borax

Chart Reading	Orifice Manometer Inches H2O	Corrected Chart	Corrected Orifice	Calculated Flow (Qa) m3/min
33	2.53	3.77	1.00	1.01
35.8	2.85	3.93	1.06	1.08
41	3.75	4.21	1.21	1.23
49.5	5.55	4.62	1.47	1.50
56.2	7.30	4.93	1.69	1.71



Sampler Regression Data

Slope:	1.6201
Intercept:	2.1758
Correlation:	0.9975
	0.99500

Calibration Set Point:

44 <set sampler to operate at this chart reading to obtain 1.35 m3/minute nominal flowrate

Flow Rate Calculation for Individual Sample Events: *(enter values highlighted in red)*

					Sample
Flow Rate Calculation:	Chart Reading	47	Corrected Chart	**Flow Rate**	Total Minutes Sampled	**Total Cubic Meters**
	Temperature	33.2 deg C	4.65	1.53	480	733.068391
	Pressure	730.8 mm Hg		**m3/minute**		8/26/200

Sample volume in cubic meters is calculated as (Sample Flow Rate in cubic meters per minute)*(Sample Time in minutes)

Calibrated by: AAM Cost Center

Reference: EPA Method IO-2, June 1999. Actual flowrates calculated for a linear recorder chart scale

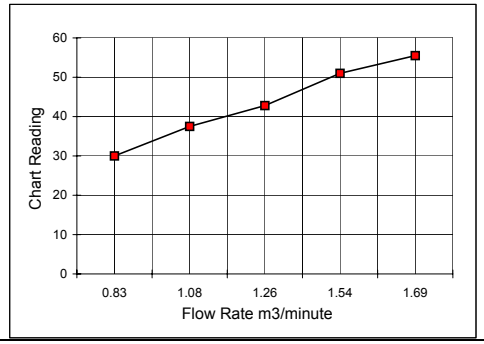
TSP Calibration Data

(enter values highlighted in red)

Sampler SN:	451	**Bar. Pressure:**	760	mm Hg	**Orifice s/n:**	F95
Date:	8/26/2004	**Temperature:**	80.0	F	**Slope:**	0.9925
Time:	10:30	**Temperature:**	26.7	C	**Intercept:**	-0.0108
					Correlation:	0.9999

Sampler ID: US Borax

Chart Reading	Orifice Manometer Inches H2O	Corrected Chart	Corrected Orifice	Calculated Flow (Qa) m3/min
30	1.68	3.61	0.81	0.83
37.5	2.83	4.03	1.06	1.08
42.8	3.90	4.31	1.24	1.26
51	5.85	4.70	1.52	1.54
55.5	7.05	4.91	1.67	1.69



Sampler Regression Data

Slope:	1.4972
Intercept:	2.3959
Correlation:	0.9986
	0.99500

Calibration Set Point:

45 <set sampler to operate at this chart reading to obtain 1.35 m3/minute nominal flowrate

Flow Rate Calculation for Individual Sample Events: *(enter values highlighted in red)*

				Sample
Chart Reading	52	Corrected Chart	**Flow Rate**	Total Minutes Sampled	**Total Cubic Meters**
Temperature	30.8 deg C	4.86	1.64	480	789.5042997
Pressure	735.33 mm Hg		**m3/minute**		8/27/2004

Sample volume in cubic meters is calculated as (Sample Flow Rate in cubic meters per minute)*(Sample Time in minutes)

Calibrated by: AAM Cost Center

Reference: EPA Method IO-2, June 1999. Actual flowrates calculated for a linear recorder chart scale

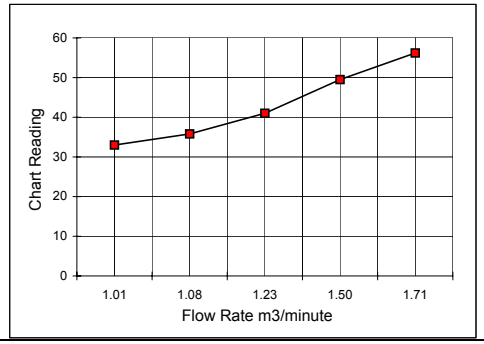
TSP Calibration Data

(enter values highlighted in red)

Sampler SN:	288	**Bar. Pressure:**	750	mm Hg	**Orifice s/n:**	F95
Date:	8/26/2004	**Temperature:**	69.5	F	**Slope:**	0.9925
Time:	11:00	**Temperature:**	20.8	C	**Intercept:**	-0.0108
					Correlation:	0.9999

Sampler ID: **US Borax**

Chart Reading	Orifice Manometer Inches H2O	Corrected Chart	Corrected Orifice	Calculated Flow (Qa) m3/min
33	2.53	3.77	1.00	1.01
35.8	2.85	3.93	1.06	1.08
41	3.75	4.21	1.21	1.23
49.5	5.55	4.62	1.47	1.50
56.2	7.30	4.93	1.69	1.71



Sampler Regression Data

Slope:	1.6201
Intercept:	2.1758
Correlation:	0.9975
	0.99500

Calibration Set Point:

44 <set sampler to operate at this chart reading to obtain 1.35 m3/minute nominal flowrate

Flow Rate Calculation for Individual Sample Events: *(enter values highlighted in red)*

					Sample	Total Minutes Sampled	Total Cubic Meters
Flow Rate	Chart Reading	47		Corrected Chart	**Flow Rate**		
Calculation:	Temperature	30.8	deg C	4.62	1.51	480	723.90705
	Pressure	735.33	mm Hg		**m3/minute**		8/27/200

Sample volume in cubic meters is calculated as (Sample Flow Rate in cubic meters per minute)*(Sample Time in minutes)

Calibrated by: AAM Cost Center

Reference: EPA Method IO-2, June 1999. Actual flowrates calculated for a linear recorder chart scale

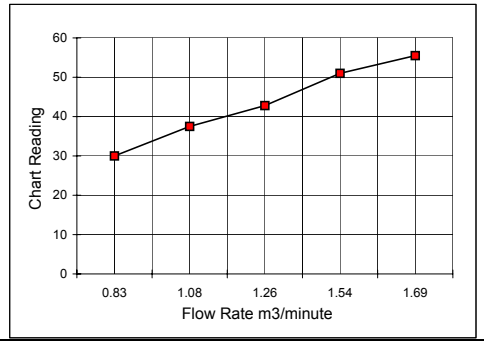
TSP Calibration Data

(enter values highlighted in red)

Sampler SN:	451	**Bar. Pressure:**	760	mm Hg	**Orifice s/n:**	F95
Date:	8/26/2004	**Temperature:**	80.0	F	**Slope:**	0.9925
Time:	10:30	**Temperature:**	26.7	C	**Intercept:**	-0.0108
					Correlation:	0.9999

Sampler ID: US Borax

Chart Reading	Orifice Manometer Inches H2O	Corrected Chart	Corrected Orifice	Calculated Flow (Qa) m3/min
30	1.68	3.61	0.81	0.83
37.5	2.83	4.03	1.06	1.08
42.8	3.90	4.31	1.24	1.26
51	5.85	4.70	1.52	1.54
55.5	7.05	4.91	1.67	1.69



Sampler Regression Data

Slope:	1.4972
Intercept:	2.3959
Correlation:	0.9986
	0.99500

Calibration Set Point:

45 <set sampler to operate at this chart reading to obtain 1.35 m3/minute nominal flowrate

Flow Rate Calculation for Individual Sample Events: *(enter values highlighted in red)*

				Sample
Chart Reading	51	Corrected Chart	**Flow Rate**	Total Minutes Sampled	**Total Cubic Meters**
Temperature	23.6 deg C	4.73	1.56	480	746.7753368
Pressure	746 mm Hg		**m3/minute**		9/8/2004

Sample volume in cubic meters is calculated as (Sample Flow Rate in cubic meters per minute)*(Sample Time in minutes)

Calibrated by: AAM Cost Center

Reference: EPA Method IO-2, June 1999. Actual flowrates calculated for a linear recorder chart scale

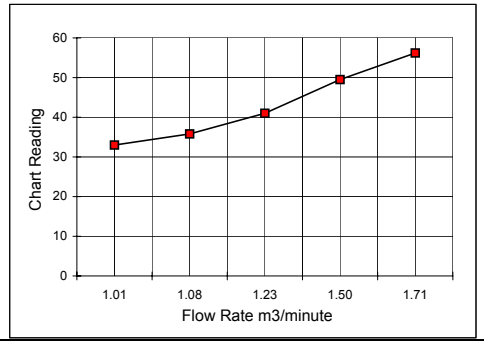
TSP Calibration Data

(enter values highlighted in red)

Sampler SN:	288	**Bar. Pressure:**	750	mm Hg	**Orifice s/n:**	F95
Date:	8/26/2004	**Temperature:**	69.5	F	**Slope:**	0.9925
Time:	11:00	**Temperature:**	20.8	C	**Intercept:**	-0.0108
					Correlation:	0.9999

Sampler ID: US Borax

Chart Reading	Orifice Manometer Inches H2O	Corrected Chart	Corrected Orifice	Calculated Flow (Qa) m3/min
33	2.53	3.77	1.00	1.01
35.8	2.85	3.93	1.06	1.08
41	3.75	4.21	1.21	1.23
49.5	5.55	4.62	1.47	1.50
56.2	7.30	4.93	1.69	1.71



Sampler Regression Data

Slope:	1.6201
Intercept:	2.1758
Correlation:	0.9975
	0.99500

Calibration Set Point:

44 <set sampler to operate at this chart reading to obtain 1.35 m3/minute nominal flowrate

Flow Rate Calculation for Individual Sample Events: *(enter values highlighted in red)*

					Sample
Flow Rate	Chart Reading	47.5	Corrected Chart	**Flow Rate**	Total Minutes Sampled	**Total Cubic Meters**
Calculation:	Temperature	23.6 deg C	4.56	1.47	480	706.481002
	Pressure	746 mm Hg		**m3/minute**		9/8/200

Sample volume in cubic meters is calculated as (Sample Flow Rate in cubic meters per minute)*(Sample Time in minutes)

Calibrated by: AAM Cost Center

Reference: EPA Method IO-2, June 1999. Actual flowrates calculated for a linear recorder chart scale

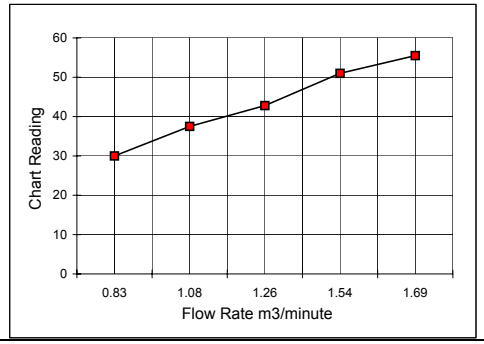
TSP Calibration Data

(enter values highlighted in red)

Sampler SN:	451	**Bar. Pressure:**	760	mm Hg	**Orifice s/n:**	F95
Date:	8/26/2004	**Temperature:**	80.0	F	**Slope:**	0.9925
Time:	10:30	**Temperature:**	26.7	C	**Intercept:**	-0.0108
					Correlation:	0.9999

Sampler ID: US Borax

Chart Reading	Orifice Manometer Inches H2O	Corrected Chart	Corrected Orifice	Calculated Flow (Qa) m3/min
30	1.68	3.61	0.81	0.83
37.5	2.83	4.03	1.06	1.08
42.8	3.90	4.31	1.24	1.26
51	5.85	4.70	1.52	1.54
55.5	7.05	4.91	1.67	1.69



Sampler Regression Data

Slope:	1.4972
Intercept:	2.3959
Correlation:	0.9986
	0.99500

Calibration Set Point:

45 <set sampler to operate at this chart reading to obtain 1.35 m3/minute nominal flowrate

Flow Rate Calculation for Individual Sample Events: *(enter values highlighted in red)*

				Sample
Chart Reading	51.5	Corrected Chart	**Flow Rate**	Total Minutes Sampled	**Total Cubic Meters**
Temperature	22.8 deg C	4.74	1.57	660	1033.736557
Pressure	746.5 mm Hg		**m3/minute**		9/9/2004

Sample volume in cubic meters is calculated as (Sample Flow Rate in cubic meters per minute)*(Sample Time in minutes)

Calibrated by: AAM Cost Center

Reference: EPA Method IO-2, June 1999. Actual flowrates calculated for a linear recorder chart scale

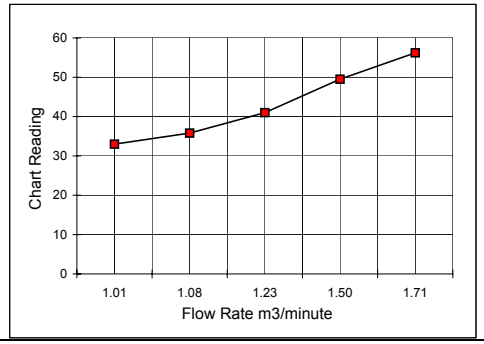
TSP Calibration Data

(enter values highlighted in red)

Sampler SN:	288	**Bar. Pressure:**	750	mm Hg	**Orifice s/n:**	F95
Date:	8/26/2004	**Temperature:**	69.5	F	**Slope:**	0.9925
Time:	11:00	**Temperature:**	20.8	C	**Intercept:**	-0.0108
					Correlation:	0.9999

Sampler ID: **US Borax**

Chart Reading	Orifice Manometer Inches H2O	Corrected Chart	Corrected Orifice	Calculated Flow (Qa) m3/min
33	2.53	3.77	1.00	1.01
35.8	2.85	3.93	1.06	1.08
41	3.75	4.21	1.21	1.23
49.5	5.55	4.62	1.47	1.50
56.2	7.30	4.93	1.69	1.71



Sampler Regression Data

Slope:	1.6201
Intercept:	2.1758
Correlation:	0.9975
	0.99500

Calibration Set Point:

44 <set sampler to operate at this chart reading to obtain 1.35 m3/minute nominal flowrate

Flow Rate Calculation for Individual Sample Events: *(enter values highlighted in red)*

					Sample	Total Minutes Sampled	Total Cubic Meters
Flow Rate	Chart Reading	48		Corrected Chart	**Flow Rate**		
Calculation:	Temperature	22.8	deg C	4.58	1.48	660	978.250223
	Pressure	746.5	mm Hg		**m3/minute**		9/9/200

Sample volume in cubic meters is calculated as (Sample Flow Rate in cubic meters per minute)*(Sample Time in minutes)

Calibrated by: AAM Cost Center

Reference: EPA Method IO-2, June 1999. Actual flowrates calculated for a linear recorder chart scale

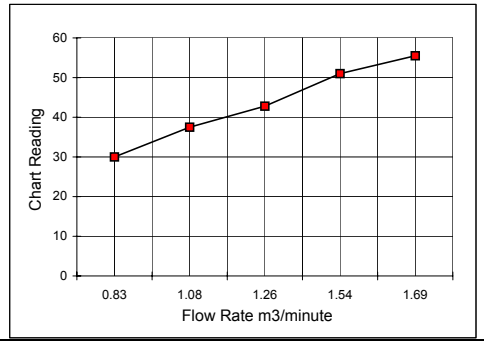
TSP Calibration Data

(enter values highlighted in red)

Sampler SN:	451	**Bar. Pressure:**	760	mm Hg	**Orifice s/n:**	F95
Date:	8/26/2004	**Temperature:**	80.0	F	**Slope:**	0.9925
Time:	10:30	**Temperature:**	26.7	C	**Intercept:**	-0.0108
					Correlation:	0.9999

Sampler ID: US Borax

Chart Reading	Orifice Manometer Inches H2O	Corrected Chart	Corrected Orifice	Calculated Flow (Qa) m3/min
30	1.68	3.61	0.81	0.83
37.5	2.83	4.03	1.06	1.08
42.8	3.90	4.31	1.24	1.26
51	5.85	4.70	1.52	1.54
55.5	7.05	4.91	1.67	1.69



Sampler Regression Data

Slope:	1.4972
Intercept:	2.3959
Correlation:	0.9986
	0.99500

Calibration Set Point:

45 <set sampler to operate at this chart reading to obtain 1.35 m3/minute nominal flowrate

Flow Rate Calculation for Individual Sample Events: *(enter values highlighted in red)*

				Sample
Chart Reading	52.5	Corrected Chart	**Flow Rate**	Total Minutes Sampled	**Total Cubic Meters**
Temperature	24.8 deg C	4.80	1.61	570	916.7771637
Pressure	745.7 mm Hg		**m3/minute**		9/10/2004

Sample volume in cubic meters is calculated as (Sample Flow Rate in cubic meters per minute)*(Sample Time in minutes)

Calibrated by: AAM Cost Center

Reference: EPA Method IO-2, June 1999. Actual flowrates calculated for a linear recorder chart scale

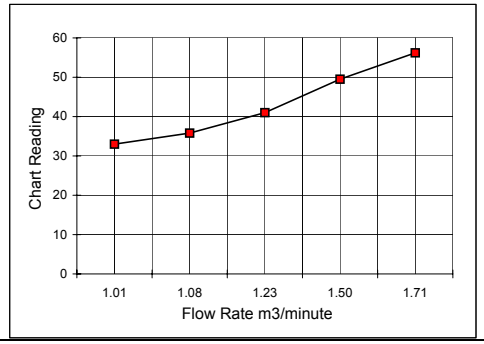
TSP Calibration Data

(enter values highlighted in red)

Sampler SN:	288	**Bar. Pressure:**	750	mm Hg	**Orifice s/n:**	F95
Date:	8/26/2004	**Temperature:**	69.5	F	**Slope:**	0.9925
Time:	11:00	**Temperature:**	20.8	C	**Intercept:**	-0.0108
					Correlation:	0.9999

Sampler ID: US Borax

Chart Reading	Orifice Manometer Inches H2O	Corrected Chart	Corrected Orifice	Calculated Flow (Qa) m3/min
33	2.53	3.77	1.00	1.01
35.8	2.85	3.93	1.06	1.08
41	3.75	4.21	1.21	1.23
49.5	5.55	4.62	1.47	1.50
56.2	7.30	4.93	1.69	1.71



Sampler Regression Data

Slope:	1.6201
Intercept:	2.1758
Correlation:	0.9975
	0.99500

Calibration Set Point:

44 <set sampler to operate at this chart reading to obtain 1.35 m3/minute nominal flowrate

Flow Rate Calculation for Individual Sample Events: *(enter values highlighted in red)*

					Sample	Total Minutes Sampled	Total Cubic Meters
Flow Rate	Chart Reading	48	Corrected Chart	**Flow Rate**			
Calculation:	Temperature	24.8 deg C	4.59	1.49		570	850.653943
	Pressure	745.7 mm Hg		**m3/minute**			9/10/200

Sample volume in cubic meters is calculated as (Sample Flow Rate in cubic meters per minute)*(Sample Time in minutes)

Calibrated by: AAM Cost Center

Reference: EPA Method IO-2, June 1999. Actual flowrates calculated for a linear recorder chart scale

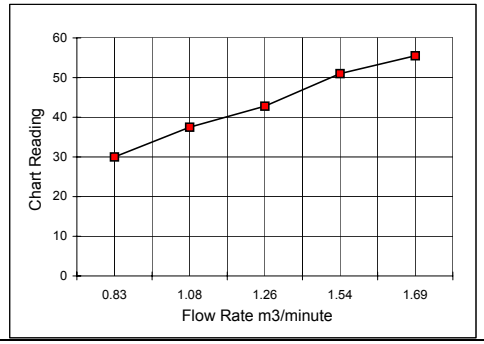
TSP Calibration Data

(enter values highlighted in red)

Sampler SN:	451	**Bar. Pressure:**	760	mm Hg	**Orifice s/n:**	F95
Date:	8/26/2004	**Temperature:**	80.0	F	**Slope:**	0.9925
Time:	10:30	**Temperature:**	26.7	C	**Intercept:**	-0.0108
					Correlation:	0.9999

Sampler ID: US Borax

Chart Reading	Orifice Manometer Inches H2O	Corrected Chart	Corrected Orifice	Calculated Flow (Qa) m3/min
30	1.68	3.61	0.81	0.83
37.5	2.83	4.03	1.06	1.08
42.8	3.90	4.31	1.24	1.26
51	5.85	4.70	1.52	1.54
55.5	7.05	4.91	1.67	1.69



Sampler Regression Data

Slope:	1.4972
Intercept:	2.3959
Correlation:	0.9986
	0.99500

Calibration Set Point:

45 <set sampler to operate at this chart reading to obtain 1.35 m3/minute nominal flowrate

Flow Rate Calculation for Individual Sample Events: *(enter values highlighted in red)*

				Sample
Chart Reading	54	Corrected Chart	**Flow Rate**	Total Minutes Sampled	**Total Cubic Meters**
Temperature	15 deg C	4.79	1.60	630	1006.623196
Pressure	749 mm Hg		**m3/minute**		9/29/2004

Sample volume in cubic meters is calculated as (Sample Flow Rate in cubic meters per minute)*(Sample Time in minutes)

Calibrated by: AAM Cost Center

Reference: EPA Method IO-2, June 1999. Actual flowrates calculated for a linear recorder chart scale

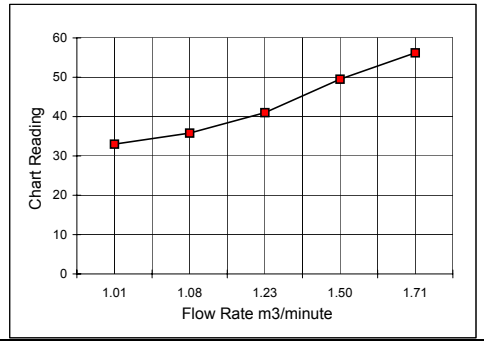
TSP Calibration Data

(enter values highlighted in red)

Sampler SN:	288	**Bar. Pressure:**	750	mm Hg	**Orifice s/n:**	F95
Date:	8/26/2004	**Temperature:**	69.5	F	**Slope:**	0.9925
Time:	11:00	**Temperature:**	20.8	C	**Intercept:**	-0.0108
					Correlation:	0.9999

Sampler ID: US Borax

Chart Reading	Orifice Manometer Inches H2O	Corrected Chart	Corrected Orifice	Calculated Flow (Qa) m3/min
33	2.53	3.77	1.00	1.01
35.8	2.85	3.93	1.06	1.08
41	3.75	4.21	1.21	1.23
49.5	5.55	4.62	1.47	1.50
56.2	7.30	4.93	1.69	1.71



Sampler Regression Data

Slope:	1.6201
Intercept:	2.1758
Correlation:	0.9975
	0.99500

Calibration Set Point:

44 <set sampler to operate at this chart reading to obtain 1.35 m3/minute nominal flowrate

Flow Rate Calculation for Individual Sample Events: *(enter values highlighted in red)*

					Sample	Total Minutes Sampled	Total Cubic Meters
Flow Rate	Chart Reading	48	Corrected Chart	**Flow Rate**			
Calculation:	Temperature	15 deg C	4.51	1.44		630	909.412013
	Pressure	749 mm Hg		**m3/minute**			9/29/200

Sample volume in cubic meters is calculated as (Sample Flow Rate in cubic meters per minute)*(Sample Time in minutes)

Calibrated by: AAM Cost Center

Reference: EPA Method IO-2, June 1999. Actual flowrates calculated for a linear recorder chart scale

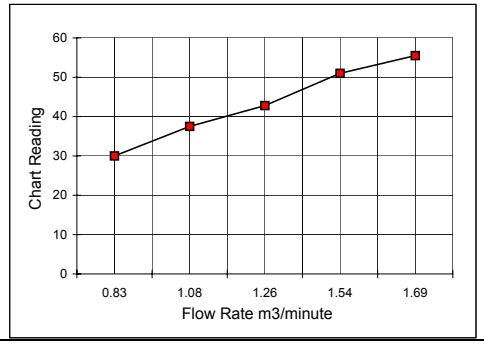
TSP Calibration Data

(enter values highlighted in red)

Sampler SN:	451	**Bar. Pressure:**	760	mm Hg	**Orifice s/n:**	F95
Date:	8/26/2004	**Temperature:**	80.0	F	**Slope:**	0.9925
Time:	10:30	**Temperature:**	26.7	C	**Intercept:**	-0.0108
					Correlation:	0.9999

Sampler ID: US Borax

Chart Reading	Orifice Manometer Inches H2O	Corrected Chart	Corrected Orifice	Calculated Flow (Qa) m3/min
30	1.68	3.61	0.81	0.83
37.5	2.83	4.03	1.06	1.08
42.8	3.90	4.31	1.24	1.26
51	5.85	4.70	1.52	1.54
55.5	7.05	4.91	1.67	1.69



Sampler Regression Data

Slope:	1.4972
Intercept:	2.3959
Correlation:	0.9986
	0.99500

Calibration Set Point:

45 <set sampler to operate at this chart reading to obtain 1.35 m3/minute nominal flowrate

Flow Rate Calculation for Individual Sample Events: *(enter values highlighted in red)*

				Sample
Chart Reading	53	Corrected Chart	**Flow Rate**	Total Minutes Sampled	**Total Cubic Meters**
Temperature	20.8 deg C	4.80	1.61	510	819.8517189
Pressure	744 mm Hg		**m3/minute**		9/30/2004

Sample volume in cubic meters is calculated as (Sample Flow Rate in cubic meters per minute)*(Sample Time in minutes)

Calibrated by: AAM Cost Center

Reference: EPA Method IO-2, June 1999. Actual flowrates calculated for a linear recorder chart scale

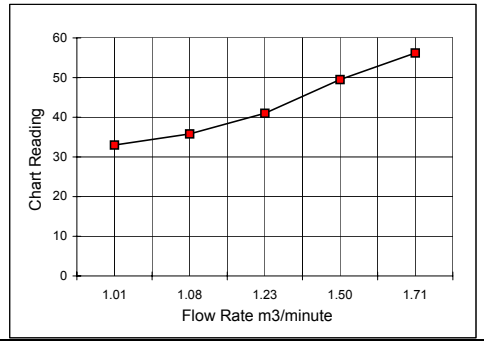
TSP Calibration Data

(enter values highlighted in red)

Sampler SN:	288	**Bar. Pressure:**	750	mm Hg	**Orifice s/n:**	F95
Date:	8/26/2004	**Temperature:**	69.5	F	**Slope:**	0.9925
Time:	11:00	**Temperature:**	20.8	C	**Intercept:**	-0.0108
					Correlation:	0.9999

Sampler ID: US Borax

Chart Reading	Orifice Manometer Inches H2O	Corrected Chart	Corrected Orifice	Calculated Flow (Qa) m3/min
33	2.53	3.77	1.00	1.01
35.8	2.85	3.93	1.06	1.08
41	3.75	4.21	1.21	1.23
49.5	5.55	4.62	1.47	1.50
56.2	7.30	4.93	1.69	1.71



Sampler Regression Data

Slope:	1.6201
Intercept:	2.1758
Correlation:	0.9975
	0.99500

Calibration Set Point:

44 <set sampler to operate at this chart reading to obtain 1.35 m3/minute nominal flowrate

Flow Rate Calculation for Individual Sample Events: *(enter values highlighted in red)*

					Sample	Total Minutes Sampled	Total Cubic Meters
Flow Rate	Chart Reading	47.5		Corrected Chart	**Flow Rate**		
Calculation:	Temperature	20.8 deg C		4.55	1.46	510	746.3890
	Pressure	744 mm Hg			**m3/minute**		9/30/200

Sample volume in cubic meters is calculated as (Sample Flow Rate in cubic meters per minute)*(Sample Time in minutes)

Calibrated by: AAM Cost Center

Reference: EPA Method IO-2, June 1999. Actual flowrates calculated for a linear recorder chart scale

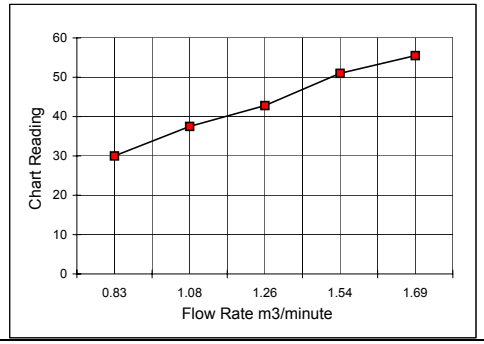
TSP Calibration Data

(enter values highlighted in red)

Sampler SN:	451	**Bar. Pressure:**	760	mm Hg	**Orifice s/n:**	F95
Date:	8/26/2004	**Temperature:**	80.0	F	**Slope:**	0.9925
Time:	10:30	**Temperature:**	26.7	C	**Intercept:**	-0.0108
					Correlation:	0.9999

Sampler ID: US Borax

Chart Reading	Orifice Manometer Inches H2O	Corrected Chart	Corrected Orifice	Calculated Flow (Qa) m3/min
30	1.68	3.61	0.81	0.83
37.5	2.83	4.03	1.06	1.08
42.8	3.90	4.31	1.24	1.26
51	5.85	4.70	1.52	1.54
55.5	7.05	4.91	1.67	1.69



Sampler Regression Data

Slope:	1.4972
Intercept:	2.3959
Correlation:	0.9986
	0.99500

Calibration Set Point:

45 <set sampler to operate at this chart reading to obtain 1.35 m3/minute nominal flowrate

Flow Rate Calculation for Individual Sample Events: *(enter values highlighted in red)*

				Sample
Chart Reading	52	Corrected Chart	**Flow Rate**	Total Minutes Sampled	**Total Cubic Meters**
Temperature	19.7 deg C	4.76	1.58	480	756.795982
Pressure	741.7 mm Hg		**m3/minute**		10/1/2004

Sample volume in cubic meters is calculated as (Sample Flow Rate in cubic meters per minute)*(Sample Time in minutes)

Calibrated by: AAM Cost Center

Reference: EPA Method IO-2, June 1999. Actual flowrates calculated for a linear recorder chart scale

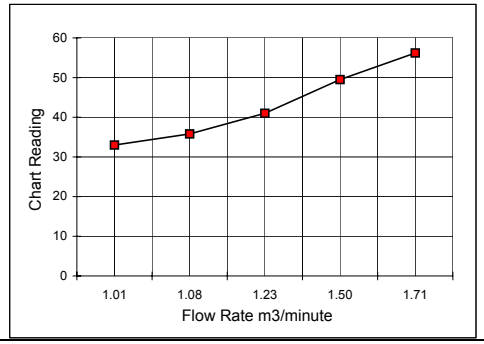
TSP Calibration Data

(enter values highlighted in red)

Sampler SN:	288	**Bar. Pressure:**	750	mm Hg	**Orifice s/n:**	F95
Date:	8/26/2004	**Temperature:**	69.5	F	**Slope:**	0.9925
Time:	11:00	**Temperature:**	20.8	C	**Intercept:**	-0.0108
					Correlation:	0.9999

Sampler ID: **US Borax**

Chart Reading	Orifice Manometer Inches H2O	Corrected Chart	Corrected Orifice	Calculated Flow (Qa) m3/min
33	2.53	3.77	1.00	1.01
35.8	2.85	3.93	1.06	1.08
41	3.75	4.21	1.21	1.23
49.5	5.55	4.62	1.47	1.50
56.2	7.30	4.93	1.69	1.71



Sampler Regression Data

Slope:	1.6201
Intercept:	2.1758
Correlation:	0.9975
	0.99500

Calibration Set Point:

44 <set sampler to operate at this chart reading to obtain 1.35 m3/minute nominal flowrate

Flow Rate Calculation for Individual Sample Events: *(enter values highlighted in red)*

					Sample	Total Minutes Sampled	Total Cubic Meters
Flow Rate	Chart Reading	47.5	Corrected Chart	**Flow Rate**			
Calculation:	Temperature	19.7 deg C	4.55	1.46		480	702.277226
	Pressure	741.7 mm Hg		**m3/minute**			10/1/200

Sample volume in cubic meters is calculated as (Sample Flow Rate in cubic meters per minute)*(Sample Time in minutes)

Calibrated by: AAM Cost Center

Reference: EPA Method IO-2, June 1999. Actual flowrates calculated for a linear recorder chart scale

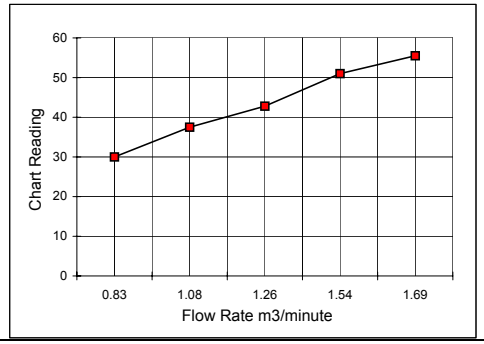
TSP Calibration Data

(enter values highlighted in red)

Sampler SN:	451	**Bar. Pressure:**	760	mm Hg	**Orifice s/n:**	F95
Date:	8/26/2004	**Temperature:**	80.0	F	**Slope:**	0.9925
Time:	10:30	**Temperature:**	26.7	C	**Intercept:**	-0.0108
					Correlation:	0.9999

Sampler ID: US Borax

Chart Reading	Orifice Manometer Inches H2O	Corrected Chart	Corrected Orifice	Calculated Flow (Qa) m3/min
30	1.68	3.61	0.81	0.83
37.5	2.83	4.03	1.06	1.08
42.8	3.90	4.31	1.24	1.26
51	5.85	4.70	1.52	1.54
55.5	7.05	4.91	1.67	1.69



Sampler Regression Data

Slope:	1.4972
Intercept:	2.3959
Correlation:	0.9986
	0.99500

Calibration Set Point:

45 <set sampler to operate at this chart reading to obtain 1.35 m3/minute nominal flowrate

Flow Rate Calculation for Individual Sample Events: *(enter values highlighted in red)*

				Sample	Total Minutes Sampled	Total Cubic Meters
Chart Reading	54	Corrected Chart		**Flow Rate**		
Temperature	16.8 deg C	4.79		1.60	390	623.0149324
Pressure	753.4 mm Hg			**m3/minute**		10/5/2004

Sample volume in cubic meters is calculated as (Sample Flow Rate in cubic meters per minute)*(Sample Time in minutes)

Calibrated by: AAM Cost Center

Reference: EPA Method IO-2, June 1999. Actual flowrates calculated for a linear recorder chart scale

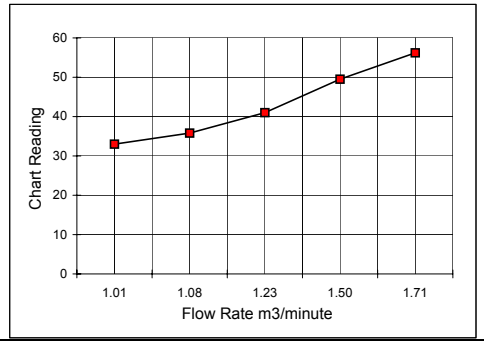
TSP Calibration Data

(enter values highlighted in red)

Sampler SN:	288	**Bar. Pressure:**	750	mm Hg	**Orifice s/n:**	F95
Date:	8/26/2004	**Temperature:**	69.5	F	**Slope:**	0.9925
Time:	11:00	**Temperature:**	20.8	C	**Intercept:**	-0.0108
					Correlation:	0.9999

Sampler ID: US Borax

Chart Reading	Orifice Manometer Inches H2O	Corrected Chart	Corrected Orifice	Calculated Flow (Qa) m3/min
33	2.53	3.77	1.00	1.01
35.8	2.85	3.93	1.06	1.08
41	3.75	4.21	1.21	1.23
49.5	5.55	4.62	1.47	1.50
56.2	7.30	4.93	1.69	1.71



Sampler Regression Data

Slope:	1.6201
Intercept:	2.1758
Correlation:	0.9975
	0.99500

Calibration Set Point:

44 <set sampler to operate at this chart reading to obtain 1.35 m3/minute nominal flowrate

Flow Rate Calculation for Individual Sample Events: *(enter values highlighted in red)*

					Sample
Flow Rate Calculation:	Chart Reading	49.5	Corrected Chart	**Flow Rate**	Total Minutes Sampled
	Temperature	16.8 deg C	4.58	1.49	390
	Pressure	753.4 mm Hg		**m3/minute**	

Total Cubic Meters
579.70160
10/5/200

Sample volume in cubic meters is calculated as (Sample Flow Rate in cubic meters per minute)*(Sample Time in minutes)

Calibrated by: AAM Cost Center

Reference: EPA Method IO-2, June 1999. Actual flowrates calculated for a linear recorder chart scale

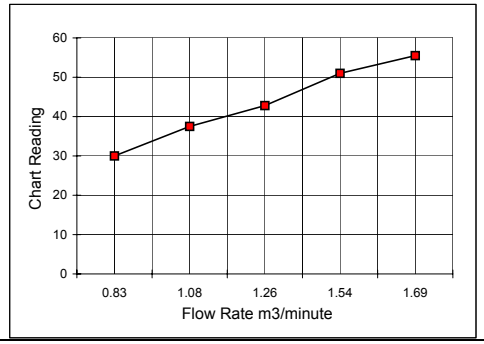
TSP Calibration Data

(enter values highlighted in red)

Sampler SN:	451	**Bar. Pressure:**	760	mm Hg	**Orifice s/n:**	F95
Date:	8/26/2004	**Temperature:**	80.0	F	**Slope:**	0.9925
Time:	10:30	**Temperature:**	26.7	C	**Intercept:**	-0.0108
					Correlation:	0.9999

Sampler ID: US Borax

Chart Reading	Orifice Manometer Inches H2O	Corrected Chart	Corrected Orifice	Calculated Flow (Qa) m3/min
30	1.68	3.61	0.81	0.83
37.5	2.83	4.03	1.06	1.08
42.8	3.90	4.31	1.24	1.26
51	5.85	4.70	1.52	1.54
55.5	7.05	4.91	1.67	1.69



Sampler Regression Data

Slope:	1.4972
Intercept:	2.3959
Correlation:	0.9986
	0.99500

Calibration Set Point:

45 <set sampler to operate at this chart reading to obtain 1.35 m3/minute nominal flowrate

Flow Rate Calculation for Individual Sample Events: *(enter values highlighted in red)*

				Sample
Chart Reading	51	Corrected Chart	**Flow Rate**	Total Minutes Sampled	**Total Cubic Meters**
Temperature	20.6 deg C	4.69	1.53	420	644.417716
Pressure	749.3 mm Hg		**m3/minute**		10/6/2004

Sample volume in cubic meters is calculated as (Sample Flow Rate in cubic meters per minute)*(Sample Time in minutes)

Calibrated by: AAM Cost Center

Reference: EPA Method IO-2, June 1999. Actual flowrates calculated for a linear recorder chart scale

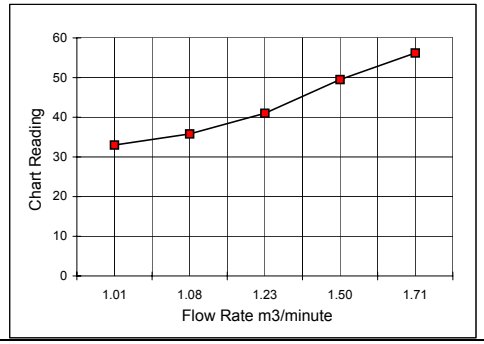
TSP Calibration Data

(enter values highlighted in red)

Sampler SN:	288	**Bar. Pressure:**	750	mm Hg	**Orifice s/n:**	F95
Date:	8/26/2004	**Temperature:**	69.5	F	**Slope:**	0.9925
Time:	11:00	**Temperature:**	20.8	C	**Intercept:**	-0.0108
					Correlation:	0.9999

Sampler ID: **US Borax**

Chart Reading	Orifice Manometer Inches H2O	Corrected Chart	Corrected Orifice	Calculated Flow (Qa) m3/min
33	2.53	3.77	1.00	1.01
35.8	2.85	3.93	1.06	1.08
41	3.75	4.21	1.21	1.23
49.5	5.55	4.62	1.47	1.50
56.2	7.30	4.93	1.69	1.71



Sampler Regression Data

Slope:	1.6201
Intercept:	2.1758
Correlation:	0.9975
	0.99500

Calibration Set Point:

44 <set sampler to operate at this chart reading to obtain 1.35 m3/minute nominal flowrate

Flow Rate Calculation for Individual Sample Events: *(enter values highlighted in red)*

					Sample
Flow Rate	Chart Reading	49.5	Corrected Chart	**Flow Rate**	Total Minutes Sampled	**Total Cubic Meters**
Calculation:	Temperature	20.6 deg C	4.62	1.51	420	634.599480
	Pressure	749.3 mm Hg		**m3/minute**		10/6/200

Sample volume in cubic meters is calculated as (Sample Flow Rate in cubic meters per minute)*(Sample Time in minutes)

Calibrated by: AAM Cost Center

Reference: EPA Method IO-2, June 1999. Actual flowrates calculated for a linear recorder chart scale

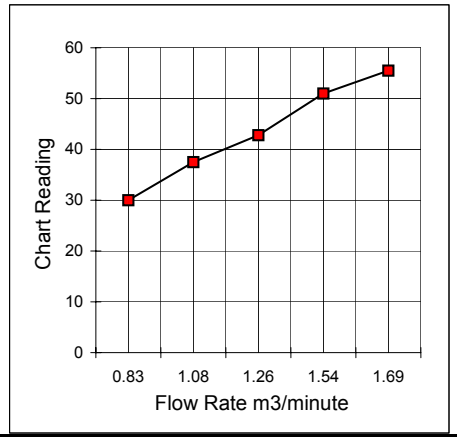
TSP Calibration Data

(enter values highlighted in red)

Sampler SN:	**451**	**Bar. Pressure:**	**760**	**mm Hg**	**Orifice s/n:**	**F95**
Date:	**8/26/2004**	**Temperature:**	**80.0**	**F**	**Slope:**	**0.9925**
Time:	**10:30**	**Temperature:**	26.7	**C**	**Intercept:**	**-0.0108**
					Correlation:	**0.9999**

Sampler ID: US Borax

Chart Reading	Orifice Manometer Inches H2O	Corrected Chart	Corrected Orifice	Calculated Flow (Qa) m3/min
30	**1.68**	3.61	0.81	0.83
37.5	**2.83**	4.03	1.06	1.08
42.8	**3.90**	4.31	1.24	1.26
51	**5.85**	4.70	1.52	1.54
55.5	**7.05**	4.91	1.67	1.69



Sampler Regression Data

Slope:	1.4972
Intercept:	2.3959
Correlation:	0.9986
	0.99500

Calibration Set Point:

45 <set sampler to operate at this chart reading to obtain 1.35 m3/minute nomin

Flow Rate Calculation for Individual Sample Events: *(enter values highlighted in red)*

Chart Reading	**50**	Corrected Chart	
Temperature	**9.9** deg C	4.59	
Pressure	**741.6** mm Hg		

Sample volume in cubic meters is calculated as (Sample Flow Rate in cubic meters per minute)*(Sample Time in

Calibrated by: AAM Cost Center

Reference: EPA Method IO-2, June 1999. Actual flowrates calculated for a linear recorder cha

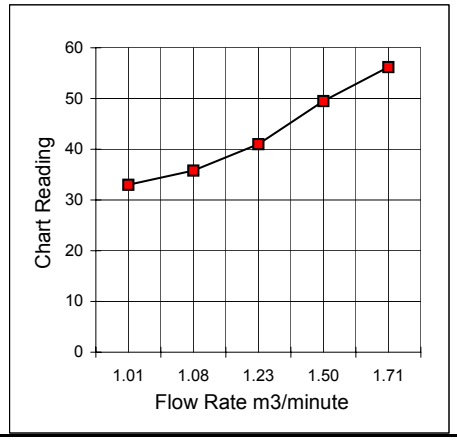
TSP Calibration Data

(enter values highlighted in red)

Sampler SN:	288	**Bar. Pressure:**	750	mm Hg	**Orifice s/n:**	F95
Date:	8/26/2004	**Temperature:**	69.5	F	**Slope:**	0.9925
Time:	11:00	**Temperature:**	20.8	C	**Intercept:**	-0.0108
					Correlation:	0.9999

Sampler ID: **US Borax**

Chart Reading	Orifice Manometer Inches H2O	Corrected Chart	Corrected Orifice	Calculated Flow (Qa) m3/min
33	2.53	3.77	1.00	1.01
35.8	2.85	3.93	1.06	1.08
41	3.75	4.21	1.21	1.23
49.5	5.55	4.62	1.47	1.50
56.2	7.30	4.93	1.69	1.71



Sampler Regression Data

Slope:	1.6201
Intercept:	2.1758
Correlation:	0.9975
	0.99500

Calibration Set Point:

44 <set sampler to operate at this chart reading to obtain 1.35 m3/minute nomin

Flow Rate Calculation for Individual Sample Events: *(enter values highlighted in red)*

Flow Rate Calculation:	Chart Reading	49.5		Corrected Chart	I
	Temperature	9.9	deg C	4.57	
	Pressure	741.6	mm Hg		r

Sample volume in cubic meters is calculated as (Sample Flow Rate in cubic meters per minute)*(Sample Time in r

Calibrated by: AAM Cost Center

Reference: EPA Method IO-2, June 1999. Actual flowrates calculated for a linear recorder cha

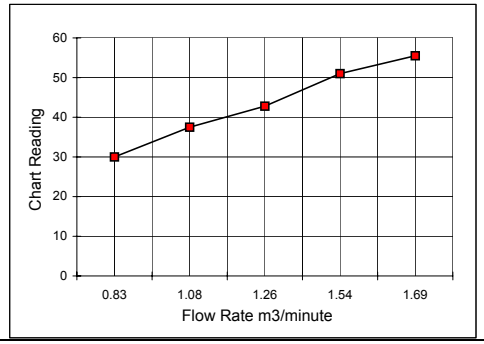
TSP Calibration Data

(enter values highlighted in red)

Sampler SN:	451	**Bar. Pressure:**	760	mm Hg	**Orifice s/n:**	F95
Date:	8/26/2004	**Temperature:**	80.0	F	**Slope:**	0.9925
Time:	10:30	**Temperature:**	26.7	C	**Intercept:**	-0.0108
					Correlation:	0.9999

Sampler ID: US Borax

Chart Reading	Orifice Manometer Inches H2O	Corrected Chart	Corrected Orifice	Calculated Flow (Qa) m3/min
30	1.68	3.61	0.81	0.83
37.5	2.83	4.03	1.06	1.08
42.8	3.90	4.31	1.24	1.26
51	5.85	4.70	1.52	1.54
55.5	7.05	4.91	1.67	1.69



Sampler Regression Data

Slope:	1.4972
Intercept:	2.3959
Correlation:	0.9986
	0.99500

Calibration Set Point:

45 <set sampler to operate at this chart reading to obtain 1.35 m3/minute nominal flowrate

Flow Rate Calculation for Individual Sample Events: *(enter values highlighted in red)*

				Sample
Chart Reading	51	Corrected Chart	**Flow Rate**	Total Minutes Sampled	**Total Cubic Meters**
Temperature	11.9 deg C	4.66	1.51	555	840.1587802
Pressure	738.8 mm Hg		**m3/minute**		10/15/2004

Sample volume in cubic meters is calculated as (Sample Flow Rate in cubic meters per minute)*(Sample Time in minutes)

Calibrated by: AAM Cost Center

Reference: EPA Method IO-2, June 1999. Actual flowrates calculated for a linear recorder chart scale

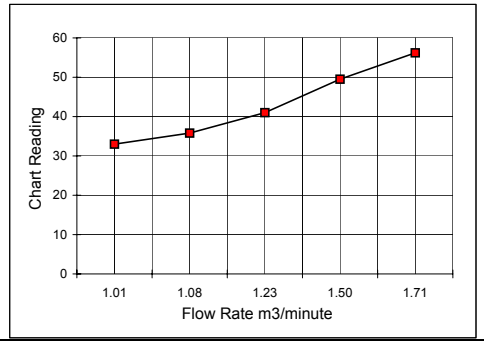
TSP Calibration Data

(enter values highlighted in red)

Sampler SN:	288	**Bar. Pressure:**	750	mm Hg	**Orifice s/n:**	F95
Date:	8/26/2004	**Temperature:**	69.5	F	**Slope:**	0.9925
Time:	11:00	**Temperature:**	20.8	C	**Intercept:**	-0.0108
					Correlation:	0.9999

Sampler ID: US Borax

Chart Reading	Orifice Manometer Inches H2O	Corrected Chart	Corrected Orifice	Calculated Flow (Qa) m3/min
33	2.53	3.77	1.00	1.01
35.8	2.85	3.93	1.06	1.08
41	3.75	4.21	1.21	1.23
49.5	5.55	4.62	1.47	1.50
56.2	7.30	4.93	1.69	1.71



Sampler Regression Data

Slope:	1.6201
Intercept:	2.1758
Correlation:	0.9975
	0.99500

Calibration Set Point:

44 <set sampler to operate at this chart reading to obtain 1.35 m3/minute nominal flowrate

Flow Rate Calculation for Individual Sample Events: *(enter values highlighted in red)*

					Sample	Total Minutes Sampled	Total Cubic Meters
Flow Rate Calculation:	Chart Reading	49	Corrected Chart	**Flow Rate**			
	Temperature	11.9 deg C	4.57	1.48		555	820.237258
	Pressure	738.8 mm Hg		**m3/minute**			10/15/200

Sample volume in cubic meters is calculated as (Sample Flow Rate in cubic meters per minute)*(Sample Time in minutes)

Calibrated by: AAM Cost Center

Reference: EPA Method IO-2, June 1999. Actual flowrates calculated for a linear recorder chart scale

DATA CHEM LABORATORIES
A Sorenson Company

ANALYTICAL REPORT

09100411472395RX

Date SEP 10 2004
Laboratory Group Name 04I-2732-02
Account No. 07003

URS
Attention: Rick Horner
10975 El Monte, Suite 100
Overland Park, KS 66211

FAX (913) 344-1011
Telephone (913) 344-1023
E-mail rick_horner@urs.com

Sampling Collection and Shipment

Sampling Site Borax Date of Collection August 26, 2004

Date Samples Received at Laboratory August 31, 2004

Analysis

Method of Analysis NMAM 7300MOD

Date(s) of Analysis September 09, 2004

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Arsenic µg/Filter
451AM1750311	04I26005	FILTER	ND
288A2750131 2	04I26006	FILTER	2.4
Reporting Limit			2.

† See comment on last page.
ND Parameter not detected above LOD.
NR Parameter not requested.
NA Parameter not applicable.

** See comment on last page.
( ) Parameter between LOD and LOQ.

Analyst: David M. Rogers

Reviewer: Michelle Paradise

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547
Phone (801) 266-7700 Web Page: www.datachem.com
FAX (801) 268-9992 E-mail: lab@datachem.com

DATA CHEM LABORATORIES
A Sorenson Company

ANALYTICAL REPORT

09100411472395RX

Date SEP 10 2004

Laboratory Group Name 04I-2732-02

General Set Comments

Method Reference: NIOSH Manual of Analytical Methods(NMAM), 4th ed., 08/15/94.
Results are not blank-corrected.

General Lab Comments

The results provided in this report relate only to the items tested.
This page is the concluding page of the report.

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Phone (801) 266-7700 Web Page: www.datachem.com
FAX (801) 268-9992 E-mail: lab@datachem.com

DATA CHEM LABORATORIES, INC.

ANALYTICAL REQUEST FORM

OCT: 2732-02

1. [X] REGULAR Status

[ ] RUSH Status Requested - ADDITIONAL CHARGE
RESULTS REQUIRED BY _____ DATE
CONTACT DATACHEM LABS PRIOR TO SENDING SAMPLES

2. Date 8/30/04 Purchase Order No. _____

3. Company Name URS Corporation
Address 10975 El Monte, Suite 100
Overland Park, KS 66211
Person to Contact Rick Horner
Telephone (913) 344-1023
Fax Telephone (913) 344-1011
E-mail Address rick_horner@urs.com
Billing Address (if different from above)

4. Quote No. _____
DCL Project Manager Rand Potter

5. Sample Collection
Sampling Site BoRAX
Industrial Process _____
Date of Collection 8/26/04
Time Collected 12:00 - 22:00
Date of Shipment 8/30/04
Chain of Custody No. _____

6. REQUEST FOR ANALYSES

Laboratory Use Only	Client Sample Number	Matrix*	Sample Volume	ANALYSES REQUESTED - Use method number if known	Units**
OCT 26005	451-AM-1 750311	Air (Filter)		Arsenic & TSP	
06	288-AM-2 750312	Air (Filter)		Arsenic & TSP	

* Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk sample; Blood; Urine; Tissue; Soil; Water; Other

** 1. ug/sample 2. mg/m^3 3. ppm 4. % 5. _____ (other) Please indicate one or more units in the column entitled Units**

Comments _____

Possible Contamination and/or Chemical Hazards _____

7. Chain of Custody (Optional)

Relinquished by		Date/Time	8/30/04 14:30
Received by	Rand Potter	Date/Time	8/31
Relinquished by	Rand Potter	Date/Time	8/31/04
Received by		Date/Time	
Relinquished by		Date/Time	
Received by		Date/Time	

960 West LeVoy Drive / Salt Lake City, UT 84123
DATACHEM LABORATORIES, INC.
800-356-9135 or 801-266-7700 / FAX: 801-268-9992
www.datachem.com

DATA CHEM LABORATORIES
A Sorenson Company

ANALYTICAL REPORT

09100411472956RX

SEP 10 2004

Date

Laboratory Group Name 04I-2732-04

Account No. 07003

URS
Attention: Rick Horner
10975 El Monte, Suite 100
Overland Park, KS 66211

FAX (913) 344-1011
Telephone (913) 344-1023
E-mail rick_horner@urs.com

Sampling Collection and Shipment

Sampling Site Borax Date of Collection August 27, 2004

Date Samples Received at Laboratory August 31, 2004

Analysis

Method of Analysis NMAM 7300MOD

Date(s) of Analysis September 09, 2004

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Arsenic ug/Filter
451A17501315	04I26007	FILTER	ND
288A27501316	04I26008	FILTER	ND
Reporting Limit			2.

† See comment on last page.
ND Parameter not detected above LOD.
NR Parameter not requested.
NA Parameter not applicable.

** See comment on last page.
( ) Parameter between ~~LOD~~ and LOQ.

Analyst: David M. Rogers

Reviewer: Michelle Paradise

SEP 10 2004

Date _____

Laboratory Group Name 04I-2732-04

General Set Comments

Method Reference: NIOSH Manual of Analytical Methods(NMAM), 4th ed., 08/15/94.
Results are not blank-corrected.

General Lab Comments

The results provided in this report relate only to the items tested.
This page is the concluding page of the report.

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Phone (801) 266-7700 Web Page: www.datachem.com
FAX (801) 268-9992 E-mail: lab@datachem.com

DATA CHEM LABORATORIES, INC.

ANALYTICAL REQUEST FORM

OUT. 2732-04

1. ☑ REGULAR Status

☐ RUSH Status Requested - ADDITIONAL CHARGE
RESULTS REQUIRED BY ______ DATE
CONTACT DATACHEM LABS PRIOR TO SENDING SAMPLES

2. Date 8/30/04 Purchase Order No. ______

3. Company Name URS Corporation

Address 10975 El Monte Suite 100
Overland Park, KS 66211

Person to Contact Rick Horner

Telephone (913) 344-1023

Fax Telephone (913) 344-1011

E-mail Address rick-horner@URS.com

Billing Address (if different from above)

4. Quote No. ______

DCL Project Manager Rand Potter

5. Sample Collection

Sampling Site Borax

Industrial Process ______

Date of Collection 8/27/04

Time Collected 8:28-16:38

Date of Shipment 8/30/04

Chain of Custody No. ______

6. REQUEST FOR ANALYSES

Laboratory Use Only	Client Sample Number	Matrix*	Sample Volume	ANALYSES REQUESTED - Use method number if known	Units**
OUT26007	451-Am-1750 1315	Air (filter)		Arsenic & TSP	
↓ 08	288-Am-2750 1314	Air (filter)		Arsenic & TSP	

* Specify: Solid sorbent tube, e g Charcoal; Filter type; Impinger solution; Bulk sample; Blood; Urine; Tissue; Soil; Water; Other

** 1 ug/sample 2 mg/m^3 3 ppm 4 % 5 ____ (other) Please indicate one or more units in the column entitled Units**

Comments ______

Possible Contamination and/or Chemical Hazards ______

7. Chain of Custody (Optional)

Relinquished by	[signature]	Date/Time	8/30/04 14:30
Received by	Rand Potter	Date/Time	8/31
Relinquished by	Rand Potter	Date/Time	8/31
Received by		Date/Time	
Relinquished by		Date/Time	
Received by		Date/Time	

DATA CHEM LABORATORIES
A Sorenson Company

ANALYTICAL REPORT

Form ARF-AL
Page 1 of 2
Part 1 of 1
10220410080370RX

AMENDED

Date OCT 22 2004
Laboratory Group Name 04I-3251-02
Account No. 07003

URS
Attention: Rick Horner
10975 El Monte, Suite 100
Overland Park, KS 66211

FAX (913) 344-1011
Telephone (913) 344-1023
E-mail rick_horner@urscorp.com

Sampling Collection and Shipment

Sampling Site US Borax Date of Collection October 05, 2004

Date Samples Received at Laboratory October 12, 2004

Analysis

Method of Analysis NMAM 7300MOD

Date(s) of Analysis October 19, 2004

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Arsenic µg/filter
7501330	04I30467	FILTER	33.
7501331	04I30468	FILTER	490
7501332	04I30469	FILTER	43.
7501333	04I30470	FILTER	1200
Reporting Limit			3.

† See comment on last page.
ND Parameter not detected above LOD.
NR Parameter not requested.
NA Parameter not applicable.

** See comment on last page.
( ) Parameter between LOD and LOQ.

Analyst: David M. Rogers

Reviewer: Michelle Paradise

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547
Phone (801) 266-7700 Web Page: www.datachem.com
FAX (801) 268-9992 E-mail: lab@datachem.com

DATA CHEM LABORATORIES
A Sorenson Company

ANALYTICAL REPORT

AMENDED

Date OCT 22 2004

Laboratory Group Name 04I-3251-02

General Set Comments

Method Reference: NIOSH Manual of Analytical Methods(NMAM), 4th ed., 08/15/94.
Results are not blank-corrected.

General Lab Comments

The results provided in this report relate only to the items tested.
Samples were received in acceptable condition unless otherwise noted in the General Set Comments above.
Samples have not been field blank corrected unless otherwise noted in the General Set Comments above.

This page is the concluding page of the report.

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DATA CHEM LABORATORIES
A Sorenson Company

ANALYTICAL REPORT

Form ARF-AL
Page 1 of 2
Part 1 of 1
10220410062005RX

AMENDED

Date OCT 22 2004
Laboratory Group Name 04I-3170-02
Account No. 07003

URS
Attention: Rick Horner
10975 El Monte, Suite 100
Overland Park, KS 66211

FAX (913) 344-1011
Telephone (913) 344-1023
E-mail rick_horner@urscorp.com

Sampling Collection and Shipment

Sampling Site U.S. Borax Date of Collection September 29, 2004

Date Samples Received at Laboratory October 05, 2004

Analysis

Method of Analysis NMAM 7300mod

Date(s) of Analysis October 12, 2004

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Arsenic µg/filter								
1324-451-AM1	04I29917	FILTER	39.								†
1325-288-AM2	04I29918	FILTER	34.								†
1326-288-AM2	04I29919	FILTER	57.								†
1327-451-AM1	04I29920	FILTER	1900								†
1328-288-AM2	04I29921	FILTER	290								†
1329-451-AM1	04I29922	FILTER	1900								†
Reporting Limit			3.								

† See comment on last page.
ND Parameter not detected above LOD.
NR Parameter not requested.
NA Parameter not applicable.

** See comment on last page.
( ) Parameter between LOD and LOQ.

Analyst: David M. Rogers

Reviewer: Neil A. Edwards

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547
Phone (801) 266-7700 Web Page: www.datachem.com
FAX (801) 268-9992 E-mail: lab@datachem.com

DATA CHEM LABORATORIES
A Sorenson Company

ANALYTICAL REPORT

10220410062005RX

AMENDED

Date OCT 22 2004

Laboratory Group Name 04I-3170-02

General Set Comments

Method Reference: NIOSH Manual of Analytical Methods(NMAM), 4th ed., 08/15/94.
Results are not blank-corrected.

Sample Comments

Laboratory Number	Comment
04I29917	23850 ft^3
04I29918	21600 ft^3
04I29919	23040 ft^3
04I29920	25440 ft^3
04I29921	23040 ft^3
04I29922	24960 ft^3

General Lab Comments

The results provided in this report relate only to the items tested.
Samples were received in acceptable condition unless otherwise noted in the General Set Comments above.
Samples have not been field blank corrected unless otherwise noted in the General Set Comments above.

This page is the concluding page of the report.

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DATA CHEM LABORATORIES
A Sorenson Company

ANALYTICAL REPORT

Form ARF-AL
Page 1 of 2
Part 1 of 1
10220410060743RX

AMENDED

Date OCT 22 2004

Laboratory Group Name 04I-2889-02

Account No. 07003

URS
Attention: Rick Horner
10975 El Monte, Suite 100
Overland Park, KS 66211

FAX (913) 344-1011
Telephone (913) 344-1023
E-mail rick_horner@urscorp.com

Sampling Collection and Shipment

Sampling Site U.S. Borax Date of Collection September 02, 2004

Date Samples Received at Laboratory September 14, 2004

Analysis

Method of Analysis 40CFR50APPG

Date(s) of Analysis September 21, 2004

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Arsenic µg/Filter							
7501317	04I27474	FILTER	ND							
7501316	04I27475	FILTER	4.8							
7501319	04I27476	FILTER	ND							
7501318	04I27477	FILTER	39.							
7501321	04I27478	FILTER	12.							
7501320	04I27479	FILTER	22.							
7501323	04I27480	FILTER	13.							
7501322	04I27481	FILTER	20.							
Reporting Limit			3.							

† See comment on last page.
ND Parameter not detected above LOD.
NR Parameter not requested.
NA Parameter not applicable.

** See comment on last page.
( ) Parameter between LOD and LOQ.

Analyst: David M. Rogers

Reviewer: Michelle Paradise

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547
Phone (801) 266-7700 Web Page: www.datachem.com
FAX (801) 268-9992 E-mail: lab@datachem.com

DATA CHEM LABORATORIES
A Sorenson Company

ANALYTICAL REPORT

AMENDED

Date OCT 2 2 2004

Laboratory Group Name 04I-2889-02

General Set Comments

Results are not blank-corrected.

General Lab Comments

The results provided in this report relate only to the items tested.
Samples were received in acceptable condition unless otherwise noted in the General Set Comments above.
Samples have not been field blank corrected unless otherwise noted in the General Set Comments above.

This page is the concluding page of the report.

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Phone (801) 266-7700 Web Page: www.datachem.com
FAX (801) 268-9992 E-mail: lab@datachem.com

DATA CHEM LABORATORIES
A Sorenson Company

ANALYTICAL REPORT

Form ARF-AL
Page 1 of 2
Part 1 of 1
1027041522383 4RX

Date OCT 26 2004

Laboratory Group Name 04I-3355-02
Account No. 07003

URS
Attention: Rick Horner
10975 El Monte, Suite 100
Overland Park, KS 66211

FAX (913) 344-1011
Telephone (913) 344-1023
E-mail rick_horner@urscorp.com

Sampling Collection and Shipment

Sampling Site Borax Date of Collection

Date Samples Received at Laboratory October 19, 2004

Analysis

Method of Analysis NMAM 7300MOD

Date(s) of Analysis October 27, 2004

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Arsenic µg/filter
7501334	04I31373	FILTER	ND
7501335	04I31374	FILTER	15.
7501336	04I31375	FILTER	23.
7501337	04I31376	FILTER	95.
Reporting Limit			3.

† See comment on last page.
ND Parameter not detected above LOD.
NR Parameter not requested.
NA Parameter not applicable.

** See comment on last page.
( ) Parameter between LOD and LOQ.

Analyst: David M. Rogers

Reviewer: Michelle Paradise

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547
Phone (801) 266-7700 Web Page: www.datachem.com
FAX (801) 268-9992 E-mail: lab@datachem.com

DATA CHEM LABORATORIES
A Sorenson Company

ANALYTICAL REPORT

1027041522383 4RX

Date OCT 26 2004
Laboratory Group Name 04I-3355-02

General Set Comments

Method Reference: NIOSH Manual of Analytical Methods(NMAM), 4th ed., 08/15/94.
Results are not blank-corrected.

General Lab Comments

The results provided in this report relate only to the items tested.
Samples were received in acceptable condition unless otherwise noted in the General Set Comments above.
Samples have not been field blank corrected unless otherwise noted in the General Set Comments above.

This page is the concluding page of the report.

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Phone (801) 266-7700 Web Page: www.datachem.com
FAX (801) 268-9992 E-mail: lab@datachem.com

DATA CHEM LABORATORIES, INC.

ANALYTICAL REQUEST FORM

1. ☐ REGULAR Status DL-7855-02

☐ RUSH Status Requested - ADDITIONAL CHARGE
RESULTS REQUIRED BY _____ DATE
CONTACT DATACHEM LABS PRIOR TO SENDING SAMPLES

2. Date 10/18/04 Purchase Order No. _____

3. Company Name URS
Address 10975 El Monte, Suite 100
Overland Park, KS 66211
Person to Contact Rick Horner
Telephone (913) 344-1023
Fax Telephone (913) 344-1011
E-mail Address rick_horner@urscorp.com
Billing Address (if different from above)

4. Quote No. _____
DCL Project Manager Randi Potter

5. Sample Collection
Sampling Site Borax
Industrial Process _____
Date of Collection _____
Time Collected _____
Date of Shipment _____
Chain of Custody No. _____

6. REQUEST FOR ANALYSES

Laboratory Use Only	Client Sample Number	Matrix*	Sample Volume	ANALYSES REQUESTED - Use method number if known	Units**
DL-31373	7501334-28SAM2	Filter	23520 cf	TSP & Arsenic	
74	7501335-45SAM1	Filter	24008 cf	TSP & Arsenic	
75	7501336-28SAM2	Filter	22785 cf	TSP & Arsenic	
76	7501337-45SAM-1	Filter	23715	TSP & Arsenic	
	9/8/04-A51	Filter	1320 L	Arsenic	
	9/9/04-A52	Filter	1320 L	Arsenic	
	9/10/04-A53	Filter	1320 L	Arsenic	
	~~9/10/04-A54~~	~~Filter~~	~~1320 L~~	~~Arsenic~~	
				10/18/04	

* Specify: Solid ~~sorbent tube~~, e.g. Charcoal; Filter type; Impinger solution; Bulk sample; Blood; Urine; Tissue; Soil; Water; Other

** 1. ug/sample 2. mg/m³ 3. ppm 4. % 5. _____ (other) Please indicate one or more units in the column entitled Units**

Comments _____

Possible Contamination and/or Chemical Hazards _____

7. Chain of Custody (Optional)

Relinquished by		Date/Time	
Received by	Meredith Edwards	Date/Time	19 Oct 04 10:00
Relinquished by		Date/Time	10/19
Received by		Date/Time	10/19
Relinquished by		Date/Time	
Received by		Date/Time	

960 West LeVoy Drive / Salt Lake City, UT 84123
DATACHEM LABORATORIES, INC.
800-356-9135 or 801-266-7700 / FAX: 801-268-9992
www.datachem.com

DATA CHEM LABORATORIES
A Sorenson Company

ANALYTICAL REPORT

10250413540956RX

Date OCT 2 6 2004
Laboratory Group Name 04I-3355-03
Account No. 07003

URS
Attention: Rick Horner
10975 El Monte, Suite 100
Overland Park, KS 66211

FAX (913) 344-1011
Telephone (913) 344-1023
E-mail rick_horner@urscorp.com

Sampling Collection and Shipment

Sampling Site Borax Date of Collection

Date Samples Received at Laboratory October 19, 2004

Analysis

Method of Analysis NMAM 7300MOD

Date(s) of Analysis October 25, 2004

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Arsenic µg/sample	Arsenic mg/m³	Air Volume L					
9/8/04-A51	04I31377	FILTER	ND	<0.0030	1320.					
9/9/04-A52	04I31378	FILTER	ND	<0.0030	1320.					
9/10/04-A53	04I31379	FILTER	ND	<0.0030	1320.					
Reporting Limit			4.							

† See comment on last page.
ND Parameter not detected above LOD.
NR Parameter not requested.
NA Parameter not applicable.

** See comment on last page.
( ) Parameter between LOD and LOQ.

Analyst: Michelle Paradise

Reviewer: Lisa M. Reid

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547
Phone (801) 266-7700 Web Page: www.datachem.com
FAX (801) 268-9992 E-mail: lab@datachem.com

DATA CHEM LABORATORIES
A Sorenson Company

ANALYTICAL REPORT

10250413540956RX

Date OCT 2 6 2004

Laboratory Group Name 04I-3355-03

General Set Comments

Method Reference: NIOSH Manual of Analytical Methods(NMAM), 4th ed., 08/15/94.
Results are not blank-corrected.

mg/m^3 formula: Result / Volume

General Lab Comments

The results provided in this report relate only to the items tested.
Samples were received in acceptable condition unless otherwise noted in the General Set Comments above.
Samples have not been field blank corrected unless otherwise noted in the General Set Comments above.

This page is the concluding page of the report.

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Phone (801) 266-7700 Web Page: www.datachem.com
FAX (801) 268-9992 E-mail: lab@datachem.com

DATA CHEM LABORATORIES, INC.

ANALYTICAL REQUEST FORM

1. ☐ REGULAR Status

☐ RUSH Status Requested - ADDITIONAL CHARGE
RESULTS REQUIRED BY _____
DATE
CONTACT DATACHEM LABS PRIOR TO SENDING SAMPLES

2. Date 10/18/04 Purchase Order No. _____

3. Company Name URS
Address 10975 El Monte, Suite 100
Overland Park, KS 66211
Person to Contact Rick Horner
Telephone (913) 344-1023
Fax Telephone (913) 344-1011
E-mail Address rick_horner@urscorp.com
Billing Address (if different from above)

4. Quote No. _____
DCL Project Manager Randi Potter

5. Sample Collection
Sampling Site Borax
Industrial Process _____
Date of Collection _____
Time Collected _____
Date of Shipment _____
Chain of Custody No. _____

6. REQUEST FOR ANALYSES

Laboratory Use Only	Client Sample Number	Matrix*	Sample Volume	ANALYSES REQUESTED - Use method number if known	Units**
	7501334-2BS-AM2	FILTER	23520 cf	TSP & Arsenic	
	7501335-4S1AM1	Filter	24008 cf	TSP & Arsenic	
	7501336-2BS-AM2	Filter	22785 cf	TSP & Arsenic	
	7501337-4S1AM-1	Filter	23715	TSP & Arsenic	
CKI31377	9/8/04-A51	Filter	1320 L	Arsenic	
74	9/9/04-A52	Filter	1320 L	Arsenic	
77	9/10/04-A53	Filter	1320 L	Arsenic	
	[illegible]			[illegible] 10/18/04	

* Specify: Solid ~~sorbent tube~~, e.g. Charcoal; Filter type; Impinger solution; Bulk sample; Blood; Urine; Tissue; Soil; Water; Other

** 1. ug/sample 2. mg/m³ 3. ppm 4. % 5. _____ (other) Please indicate one or more units in the column entitled Units**

Comments _____

Possible Contamination and/or Chemical Hazards _____

7. Chain of Custody (Optional)

Relinquished by	_____	Date/Time	_____
Received by	Meredith Edwards	Date/Time	19 Oct 04 10:00
Relinquished by	[signature]	Date/Time	10/19
Received by	[signature]	Date/Time	10/19
Relinquished by	_____	Date/Time	_____
Received by	_____	Date/Time	_____

960 West LeVoy Drive / Salt Lake City, UT 84123
DATACHEM LABORATORIES, INC.
800-356-9135 or 801-266-7700 / FAX: 801-268-9992
www.datachem.com

DATA CHEM LABORATORIES
A Sorenson Company

ANALYTICAL REPORT

Form ARF-AL
Page 1 of 2
Part 1 of 1
10280417444345X

Date OCT 29 2004
Laboratory Group Name 04I-3400-01
Account No. 07003

URS
Attention: Rick Horner
10975 El Monte, Suite 100
Overland Park, KS 66211

FAX (913) 344-1011
Telephone (913) 344-1023
E-mail rick_horner@urscorp.com

Sampling Collection and Shipment

Sampling Site Borad Date of Collection October 18, 2004

Date Samples Received at Laboratory October 20, 2004

Analysis

Method of Analysis NMAM 5602MOD

Date(s) of Analysis October 26, 2004

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	2,4-D ug/sample NMAM 5602MOD	2,4,5-T ug/sample NMAM 5602MOD	PCP ug/sample NMAM 5602MOD	2,4-D mg/m³ NMAM 5602MOD	2,4,5-T mg/m³ NMAM 5602MOD	PCP mg/m³ NMAM 5602MOD	Air Volume L NMAM 5602MOD	
AS-1	04I31842	OVS	ND	ND	ND	<0.0013	<0.00025	<0.00013	160	
Limit of Detection			0.2	0.04	0.02					

† See comment on last page.
ND Parameter not detected above LOD.
NR Parameter not requested.
NA Parameter not applicable.

** See comment on last page.
( ) Parameter between LOD and LOQ.

Analyst: Vicki Hoe-Lin Tsai

Reviewer: Steven J. Sagers

Laboratory Supervisor: Steven J. Sagers

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547
Phone (801) 266-7700 Web Page: www.datachem.com
FAX (801) 268-9992 E-mail: lab@datachem.com

DATA CHEM LABORATORIES
A Sorenson Company

ANALYTICAL REPORT

10280417444345X

Date OCT 29 2004

Laboratory Group Name 04I-3400-01

General Set Comments

mg/m^3 formula: Result / Volume

General Lab Comments

The results provided in this report relate only to the items tested.
Samples were received in acceptable condition unless otherwise noted in the General Set Comments above.
Samples have not been field blank corrected unless otherwise noted in the General Set Comments above.

This page is the concluding page of the report.

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547
Phone (801) 266-7700 Web Page: www.datachem.com
FAX (801) 268-9992 E-mail: lab@datachem.com

tel/ 0485

DATA CHEM LABORATORIES, INC.

ANALYTICAL REQUEST FORM

1. ☐ REGULAR Status   OHT 5480-01

☐ RUSH Status Requested - ADDITIONAL CHARGE
RESULTS REQUIRED BY ______________ DATE
CONTACT DATACHEM LABS PRIOR TO SENDING SAMPLES

2. Date 10/20/04 Purchase Order No. ______
3. Company Name URS
Address 10975 El Monte #100
Overland Park, KS 66211
Person to Contact Rick Horner
Telephone (913) 344-1023
Fax Telephone (913) 344-1011
E-mail Address rick_horner@urscorp.com
Billing Address (if different from above)

4. Quote No. ______
DCL Project Manager Rand Potter
5. Sample Collection
Sampling Site Borax
Industrial Process ______
Date of Collection 10/18/04
Time Collected 1530
Date of Shipment 10/20/04
Chain of Custody No ______

6. REQUEST FOR ANALYSES

Laboratory Use Only	Client Sample Number	Matrix*	Sample Volume	ANALYSES REQUESTED - Use method number if known	Units**
04I31842	AS-1	Filter	180 Liter	2,4-D, 2,4,5-T PCP	

* Specify: Solid sorbent tube, e g Charcoal; Filter type; Impinger solution; Bulk sample; Blood; Urine; Tissue; Soil; Water; Other
** 1 ug/sample 2 (mg/m³) 3 ppm 4 % 5 ____ (other) Please indicate one or more units in the column entitled Units**

Comments ______

Possible Contamination and/or Chemical Hazards ______

7. Chain of Custody (Optional)

Relinquished by	[signature]	Date/Time	10/20/04 1430
Received by	R. Potter	Date/Time	10/22
Relinquished by	R. Potter	Date/Time	10/22
Received by		Date/Time	
Relinquished by		Date/Time	
Received by		Date/Time	

960 West LeVoy Drive / Salt Lake City, UT 84123
DATACHEM LABORATORIES, INC.
800-356-9135 or 801-266-7700 / FAX: 801-268-9992
www.datachem.com

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 1

Description:
View of field personnel shoveling pigeon droppings as well as other material from the floor of the south metal building. Note personnel wearing full face respirators.

Photo No. 2

Description:
View of the sweepings collection/disposal box beneath the HEPA vacuum unit.

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 3

Description:
View of the vacuuming of the smaller debris and dust from the floor area around the mixing vats. Note that the field person is wearing a full face respirator.

Photo No. 4

Description:
View of vacuuming the floor of the northeast metal building.

URS

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 5

Description:
View of the drum containing the fluorescent light ballasts.

Photo No. 6

Description:
View of the line marking the area that had been vacuumed (bottom of the photo) and the area needing to be vacuumed (upper portion of the photo).

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 7

Description:
View of the HVAC units being evacuated of Freon.

Photo No. 8

Description:
View of the crew vacuuming the debris from the trough on the east side of the northeast metal building. Field crew in Level C protective gear.

URS

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 9

Description:
View of cardboard containers for shipping the fluorescent light bulbs to a disposal facility.

Photo No. 10

Description:
View of vacuum hose leading from the northeast metal building to the vacuum unit near the southwest corner of the south metal building. Note taped off service trough in the cinder block building.

URS

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 11

Description: View of pressure washing the floor in the northeast metal building. Note Level C protective gear.

Photo No. 12

Description: View of pressure washing the floor in the northeast metal building. Note Level C protective gear

URS

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 13

Description:
View of emergency shower and the water supply for the shower.

Photo No. 14

Description:
View of the maintenance trough in the cinder block building.

URS

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 15

Description:
View of the meteorological station on the southern portion of the site.

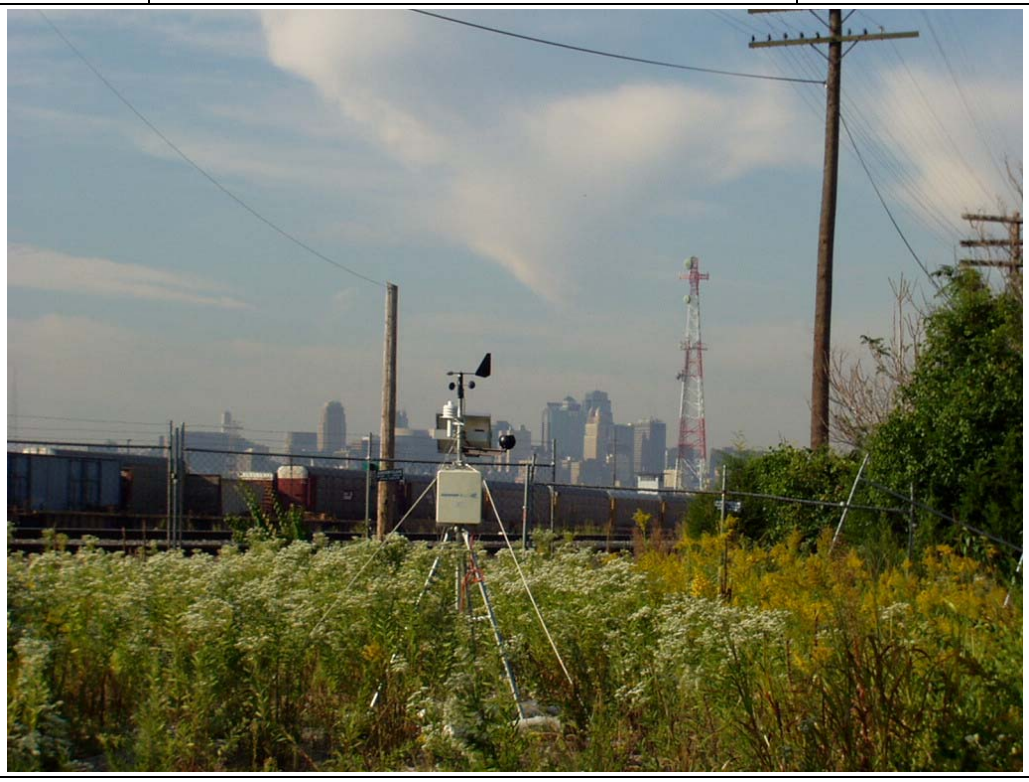


Photo No. 16

Description:
View of pressuring washing the ceiling and walls in the south metal building. Note level of protection and safety harnesses.

PHOTOGRAPHIC LOG

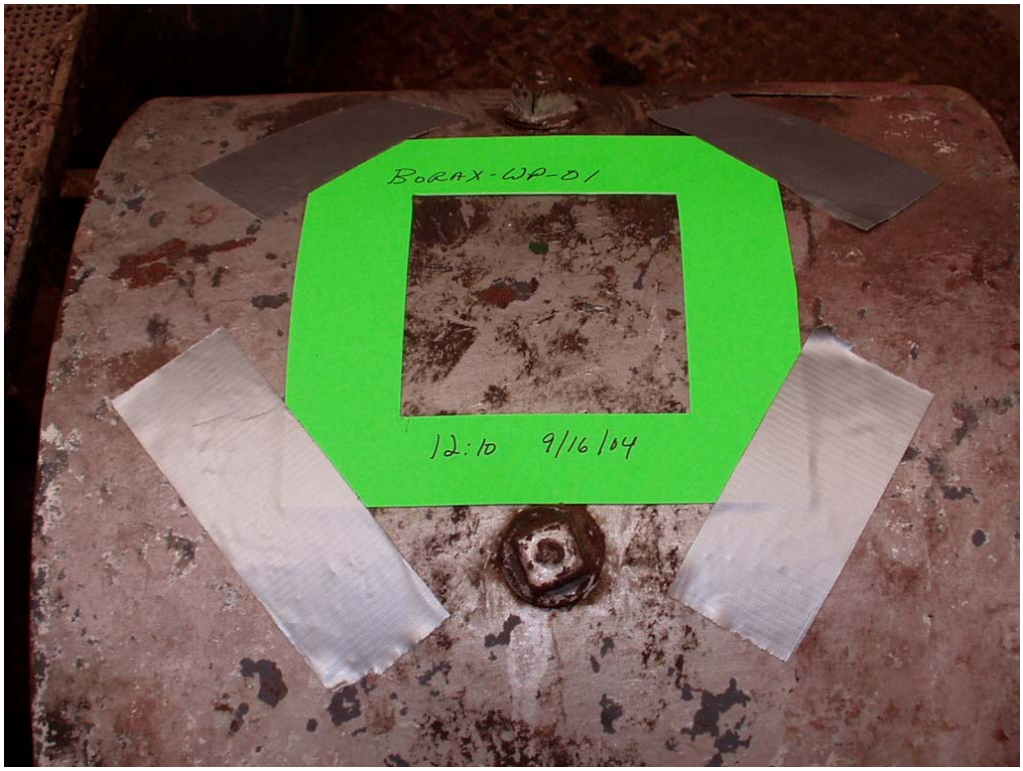
Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 17

Description:
View of the northwest corner of the property where the sanitary sewer was terminated by a subcontractor.

Photo No. 18

Description:
View of the WP-01 wipe sample location on the equipment over the north vat.



PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 19

Description:
View of the location for WP-07, the wipe sample from the support pole in the northeast metal building.

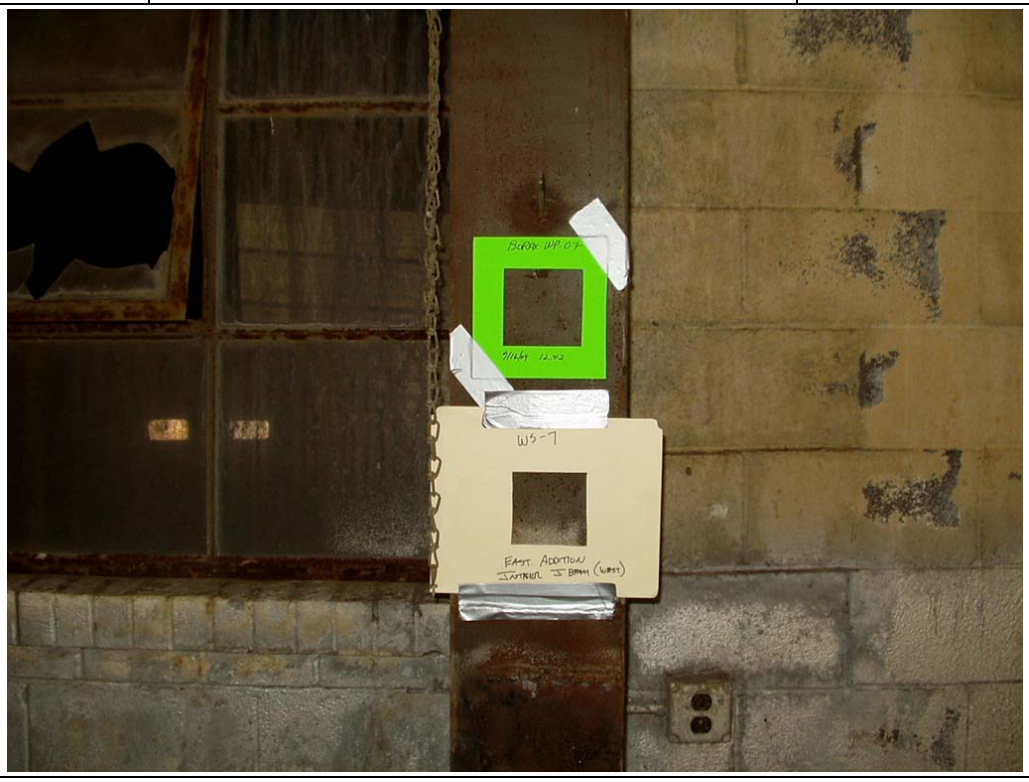


Photo No. 20

Description:
View of the CC-01 concrete chip sample obtained from the area adjacent to the mixing vats.

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 21

Description:
View of the CC-02 concrete chip sample location located near the where the transfer pump was located in the southeast corner of the south metal building.

Photo No. 22

Description:
The flag marks the location of the background soil sample (Borax-BKRD-S-05) that was obtained across the street from the North Kansas City Sewage Treatment plant.

URS

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 23

Description:
View of the downstairs office area after removal of the asbestos-containing floor tile.

Photo No. 24

Description:
View of the over-packs that contain the transformers removed from the site.

URS

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 25

Description:
View of the duct tape used on the windows to cover the asbestos-containing caulk.

Photo No. 26

Description:
View of the one of the windows that were removed prior to demolish due to asbestos-containing chalk.

URS

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 27

Description:
View of the background soil sample location (Borax-BKRD-S-13) that was obtained from the right-of-way in front of U.S. Gypsum.

Photo No. 28

Description:
View of the windows that had asbestos-containing chalk.

URS

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 29

Description:
View of the beginning stages of the demolition of the interior office structure.

Photo No. 30

Description:
View of a portion of the transfer piping that was placed on plastic after removal from the equipment.

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 31

Description:
View of the field personnel removing and bagging the transfer piping from the equipment in the southeast corner of the south metal building. Note the use of Level C protective gear including full-face respirators.

Photo No. 32

Description:
View of the final stages of the abatement of the asbestos-containing floor tile in the lower level office area. Note the Level C protective gear including full-face respirator.

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 33

Description:
View of the field personnel removing one of the transfer hoses from south of the buildings. Note the Level C protective gear including full-face respirator.

Photo No. 34

Description:
View of the windows that had asbestos-containing chalk after wrapping for transfer and disposal.

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 35

Description:
View of the excavation near the northwest corner of the property that was advanced for the purpose of terminating the sanitary sewer connection to the property.

Photo No. 36

Description:
View of the excavation advanced to terminate the on-site storm sewer.

URS

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 37

Description:
View of the south metal building after removal of the metal siding.

Photo No. 38

Description:
View of the south metal building after removal of the metal siding.

URS

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 39

Description:
View of the CC-16 concrete chip sample location. The sample was obtained during the second phase of concrete sampling.

Photo No. 40

Description:
View of the CC-18 concrete chip sample location near the railroad tracks. The sample was collected during the second phase of concrete sampling.

URS

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 41

Description:
View of the demolition of the south metal building.

Photo No. 42

Description:
View of the demolition of the south metal building.

URS

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 43

Description:
View after the collapse of the south metal building during the demolition phase.

Photo No. 44

Description:
View after the collapse of the south metal building during the demolition phase.

URS

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 45

Description:
View of the demolition of the northeast metal building.

Photo No. 46

Description:
View after collapse of the northeast metal building during the demolition phase.

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 47

Description:
View of the area marked as hazardous and non-hazardous concrete.

Photo No. 48

Description:
View of the area marked as hazardous and non-hazardous concrete near the mixing vats.

URS

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 49

Description:
View of the area marked as hazardous and non-hazardous concrete.

Photo No. 50

Description:
View of the area marked as hazardous and non-hazardous concrete.

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 51

Description:
View of the removal of the footings near the vat area.

Photo No. 52

Description:
View of the removal of the concrete floor that was beneath the northeast metal building.

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 53

Description:
View of the field crew cleaning out the material in the bottom of the north vat. Note the Level C protective gear including full-face respirator and harness with safety rope.

Photo No. 54

Description:
View of the field crew preparing to enter the south mixing vat. Note the safety equipment worn by each field person.

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 55

Description:
View of the field crew cleaning out the material in the bottom of the south vat. Note the Level C protective gear including full-face respirator and harness with safety rope.

Photo No. 56

Description:
View of the field crew advancing an exploratory trench near the location of a former underground mixing vat.

URS

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 57

Description:
View of the excavation around the north mixing vat. Note the water flowing from beneath the vat into the excavation.

Photo No. 58

Description:
View of the field crew preparing to remove the north vat by attaching a chain to the cross member.

URS

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 59

Description:
View of the removal of the north mixing vat.

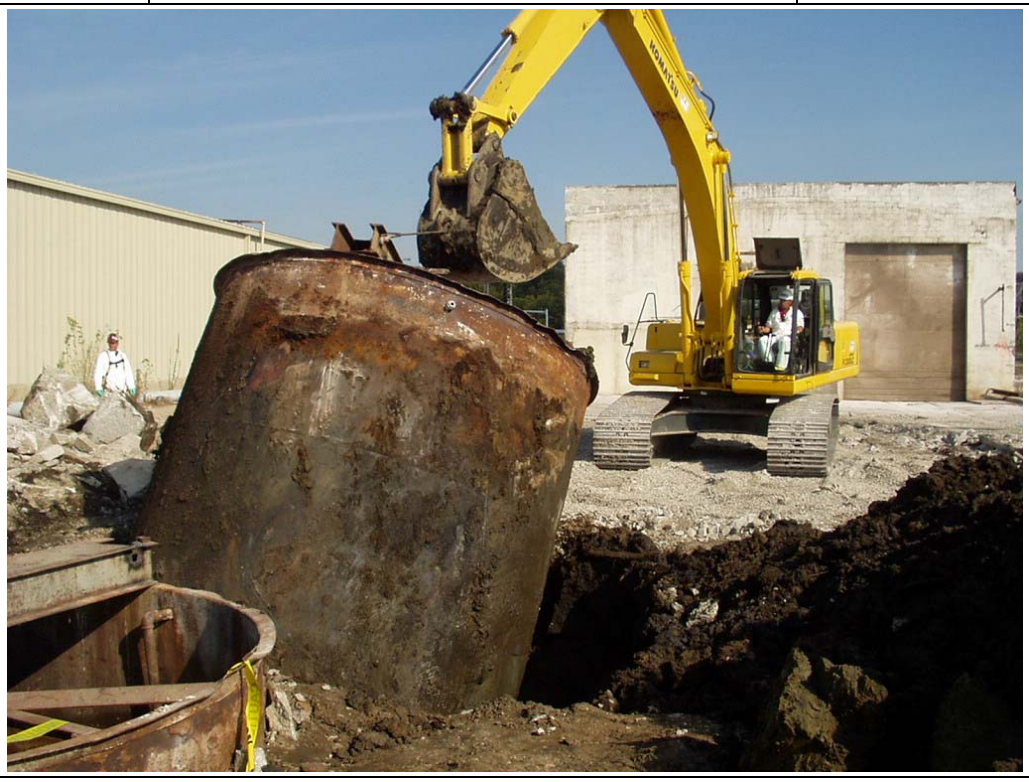


Photo No. 60

Description:
View of the removal of the north mixing vat.

URS

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 61

Description:
View of the removal of the south mixing vat.

Photo No. 62

Description:
View of sunshine passing through a hole in the side of the south mixing vat.

URS

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 63

Description:
View of the pieces of steel that were cut from the north mixing vat.

Photo No. 64

Description:
View of the corrosion and holes in the steel of the north mixing vat.

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 65

Description:
View of a hole in the side of the north mixing vat.

Photo No. 66

Description:
View of the demolition of the cinder block building.

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 67

Description:
View of the demolition of the cinder block building.

Photo No. 68

Description:
View of the loading of the metal for transport to the recycling facility.

URS

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 69

Description:
View of the railroad ties that were removed from the southern portion of the site.

Photo No. 70

Description:
View of the southern portion of the site during the removal of the railroad tracks.

URS

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 71

Description:
View of the top of the lower concrete floor that was noted beneath the south metal building.

Photo No. 72

Description:
View of a railroad track that was removed from the south metal building.

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 73

Description:
View of the signage on the entrance gate to the site

Photo No. 74

Description:
View of the removal of the railroad tracks after long periods of rainfall.

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 75

Description:
Final phases of the demolition and loading the materials generated during the demolition of the buildings.

Photo No. 76

Description:
View of the eight foot depth in TP-02 (Test Pit #2) that was located near the mixing vats.

URS

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 77

Description:
View of the three foot depth in TP-03 (Test Pit #3).

Photo No. 78

Description:
Close-up view of the soil removed from Test Pit #4. Note the streaks of yellow material.

URS

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 79

Description:
View of a concrete foundation wall encountered during excavating Test Pit #10.

Photo No. 80

Description:
View of the site after placement of a gravel cap.

PHOTOGRAPHIC LOG

Client Name: U.S. Borax	Site Location: 2251 Armour Road, North Kansas City, Missouri	Project No. 26814822

Photo No. 81

Description:
View of the site after placement of the final gravel cap.

M.D. Chemical and Testing, Inc.
P.O. Box 19321, Forbes Field, Bldg 281, Topeka, KS 66619
Kansas Certification No. E-10135 (785)862-3500 fax(785)862-5132

Sample Collected By: Rick Horner
Received In lab: 10/5/04
Date Reported: 10/12/04
Project Name: Borax
Project Number:

Lab Number: 1043636
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043636-01 **Sample ID:** Miscellaneous						
Sampled: 10/4/04						
TCLP Arsenic						
Arsenic	SW846-1311/7060	0.565	[0.05]	mg/L(ppm)	10/11/04	HK
1043636-02 **Sample ID:** Main Building North Trough						
Sampled: 10/4/04						
TCLP Arsenic						
Arsenic	SW846-1311/7060	0.302	[0.05]	mg/L(ppm)	10/11/04	HK
1043636-03 **Sample ID:** South Vat						
Sampled: 10/4/04						
TCLP Arsenic						
Arsenic	SW846-1311/6010B	14.2	[0.5]	mg/L(ppm)	10/7/04	HK
1043636-04 **Sample ID:** East Metal Addition-Trough						
Sampled: 10/4/04						
TCLP Arsenic						
Arsenic	SW846-1311/7060	0.653	[0.05]	mg/L(ppm)	10/11/04	HK
1043636-05 **Sample ID:** Main Building-South Trough						
Sampled: 10/4/04						
TCLP Arsenic						
Arsenic	SW846-1311/7060	0.650	[0.05]	mg/L(ppm)	10/11/04	HK
1043636-06 **Sample ID:** North Vat						
Sampled: 10/4/04						
TCLP Arsenic						
Arsenic	SW846-1311/6010B	46.3	[0.5]	mg/L(ppm)	10/7/04	HK

M.D. Chemical and Testing, Inc.
P.O. Box 19321, Forbes Field, Bldg 281, Topeka, KS 66619
Kansas Certification No. E-10135 (785)862-3500 fax(785)862-5132

Sample Collected By: Rick Horner
Received In lab: 10/5/04
Date Reported: 10/12/04
Project Name: Borax
Project Number:

Lab Number: 1043636
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst

Approved By: Lab Manager

M.D. Chemical and Testing, Inc.
P.O. Box 19321, Forbes Field, Bldg 281, Topeka, KS 66619
Kansas Certification No. E-10135 (785)862-3500 fax(785)862-5132

Sample Collected By: Rick Horner
Received In lab: 10/5/04
Date Reported: 10/12/04
Project Name: Borax
Project Number:

Lab Number: 1043636
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043636-01 **Sample ID:** Miscellaneous						
Sampled: 10/4/04						
CHLORINATED HERBICIDES						
2,4,5-TP(Silvex)	SW846-8151A	Not Detected	[0.5]	mg/kg(ppm)	10/11/04	CB
2,4-DB	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4,5-T	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dicamba	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dichlorprop	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dinoseb	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4-D	SW846-8151A	3.1	[1.0]	mg/kg(ppm)		
MCPA	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
MCPP	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
1043636-02 **Sample ID:** Main Building North Trough						
Sampled: 10/4/04						
CHLORINATED HERBICIDES						
2,4,5-TP(Silvex)	SW846-8151A	Not Detected	[0.5]	mg/kg(ppm)	10/11/04	CB
2,4-DB	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4,5-T	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dicamba	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dichlorprop	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dinoseb	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4-D	SW846-8151A	7.8	[1.0]	mg/kg(ppm)		
MCPA	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
MCPP	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		

M.D. Chemical and Testing, Inc.
P.O. Box 19321, Forbes Field, Bldg 281, Topeka, KS 66619
Kansas Certification No. E-10135 (785)862-3500 fax(785)862-5132

Sample Collected By: Rick Horner
Received In lab: 10/5/04
Date Reported: 10/12/04
Project Name: Borax
Project Number:

Lab Number: 1043636
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043636-03 **Sample ID:** South Vat						
Sampled: 10/4/04						
CHLORINATED HERBICIDES						
2,4,5-TP(Silvex)	SW846-8151A	Not Detected	[0.5]	mg/kg(ppm)	10/12/04	CB
2,4-DB	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4,5-T	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dicamba	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dichlorprop	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dinoseb	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4-D	SW846-8151A	43.4	[1.0]	mg/kg(ppm)		
MCPA	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
MCPP	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
1043636-04 **Sample ID:** East Metal Addition-Trough						
Sampled: 10/4/04						
CHLORINATED HERBICIDES						
2,4,5-TP(Silvex)	SW846-8151A	Not Detected	[0.5]	mg/kg(ppm)	10/12/04	CB
2,4-DB	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4,5-T	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dicamba	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dichlorprop	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dinoseb	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4-D	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
MCPA	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
MCPP	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		

M.D. Chemical and Testing, Inc.
P.O. Box 19321, Forbes Field, Bldg 281, Topeka, KS 66619
Kansas Certification No. E-10135 (785)862-3500 fax(785)862-5132

Sample Collected By: Rick Horner
Received In lab: 10/5/04
Date Reported: 10/12/04
Project Name: Borax
Project Number:

Lab Number: 1043636
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043636-05 **Sample ID:** Main Building-South Trough						
Sampled: 10/4/04						
CHLORINATED HERBICIDES						
2,4,5-TP(Silvex)	SW846-8151A	Not Detected	[0.5]	mg/kg(ppm)	10/12/04	CB
2,4-DB	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4,5-T	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dicamba	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dichlorprop	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dinoseb	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4-D	SW846-8151A	1.4	[1.0]	mg/kg(ppm)		
MCPA	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
MCPP	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
1043636-06 **Sample ID:** North Vat						
Sampled: 10/4/04						
CHLORINATED HERBICIDES						
2,4,5-TP(Silvex)	SW846-8151A	Not Detected	[0.5]	mg/kg(ppm)		CB
2,4-DB	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4,5-T	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dicamba	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dichlorprop	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dinoseb	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4-D	SW846-8151A	97.8	[1.0]	mg/kg(ppm)		
MCPA	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
MCPP	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		

Approved By: _____
Lab Manager

MD CHEMICAL & TESTING, INC.

FORBES FIELD, BLDG. 281, TOPEKA, KS 66619
PHONE: 785-862-3500 FAX: 785-862-5132

TURNAROUND TIME REQUESTED	
STANDARD	RUSH ANALYSIS
❑ 5 working days	❑ 72 HR ❑ 48 HR ❑ 24 HR additional fees for RUSH analysis

*RUSH TAT requires lab contact for availability of services.

LAB USE ONLY	
LAB NUMBER	DUE DATE

CLIENT NAME: URS
CONTACT: Rick Horne
STREET ADDRESS: 10975 Grandview Dr #100
CITY, STATE, ZIP: Overland Park, KS 66211
PHONE #: (913) 344-1023
FAX #: (913) 344-1011
PROJECT NAME: BARK

PROJECT #:
P.O. #:

CONTAINER TEMP (°C):

LAB USE ONLY	CLIENT SAMPLE ID	DATE SAMPLED	TIME SAMPLED	Number of Containers	PRESERVATION: HNO3 (Nitric Acid)	PRESERVATION: H2SO4 (Sulfuric Acid)	PRESERVATION: NaOH (Sodium Hydroxide)	PRESERVATION: HCl (Hydrochloric Acid)	PRESERVATION: Non-Preserved	PRESERVATION: Sodium Thiosulfate	COMPOSITE	GRAB	MATRIX: WATER	MATRIX: SOLID	MATRIX: AIR	MATRIX: OTHER (SPECIFY)	ANALYSIS REQUESTED: TCLP Arsenic	ANALYSIS REQUESTED: Herbicide	NOTES
	MISCELLANEOUS	10/4/04	14:33	1					✓		✓			✓			✓		
	MAIN BUILDING - NORTH TROUGH	10/4/04	14:40	1					↓	↓				↓			↓	↓	
	SOUTH VAT	10/4/04	14:55	1		✓			↓	↓				↓			↓	↓	
	EAST METAL ADDITION TROUGH	10/4/04	14:45	1		↓			↓	↓				↓			↓	↓	
	MAIN BUILDING SOUTH TROUGH	10/4/04	14:30	1		↓			↓	↓				↓			↓	↓	
	NORTH VAT	10/4/04	14:15	1		↓			↓	↓				↓			↓	↓	

RELINQUISHED BY	DATE/TIME	ACCEPTED BY
	10/4/04 16:00	Mark A. Hatler

SAMPLER (PRINT): Rick Horne
SIGNATURE:

COMMENTS:

*FAILURE TO COMPLETE THIS FORM OR COMPLETELY FILL SAMPLE CONTAINERS MAY DELAY LABORATORY RESULTS.

MD Chemical and Testing
ICP Analysis
11/02/2004 Data Set HM101104

SampleID	Analyte	Mean
LPC1		
2004/10/11 14:21:00 All analytes passed QC.		
	As 188.979	2.1 mg/L
2004/10/11 14:20:59 QC value within limits for As 188.979 Recovery = 105.48%		
LPC3		
2004/10/11 14:36:24 All analytes passed QC.		
	As 188.979	2.1 mg/L
2004/10/11 14:36:22 QC value within limits for As 188.979 Recovery = 103.33%		

QA/QC for Lab No.1043636

MD Chemical
ICP Analysis
Data Set HM101104.xls

Sample ID	Analyte Name	Reported Conc (Calib)	Calib Units	Recovery	% Difference	
RB 10-7-04	As 188.979	-0.0009	mg/L			
LFB 10-7-04	As 188.979	0.9873	mg/L	98.7%		PASS
RB 10-11-04	As 188.979	0.0137	mg/L			
LFB 10-11-04	As 188.979	0.9820	mg/L	98.2%		PASS

RB = Reagent Blank
LFB = Laboratory Fortified Blank

QA\QC for Lab No.1043636

MD Chemical
AA Analysis
Data Set AS101104.xls

Sample_ID	EL	Mean_SA	Samp_Units	Recovery	% Difference	
TMI*2500	As	44.3279	µg/L	110.8%		PASS
43636-01 TC	As	596.5377	µg/L			
43636-01 SPK TC*25	As	1769.3704	µg/L	117%	-1.304%	PASS
43636-01 DSPK TC*25	As	1792.5970	µg/L	120%		PASS
TMI*2500	As	45.0227	µg/L	112.6%		PASS
TMI*2500	As	46.1593	µg/L	115.4%		PASS
TMI*2500	As	45.0157	µg/L	112.5%		PASS
TMI*2500	As	47.2900	µg/L	118.2%		PASS

LPC = Lab Performance Check
RB = Reagent Blank
LFB = Lab Fortified Blank
TMI = Lab Performance Check

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

September 28, 2004

Jeff Cosmano
Environmental Management Alternatives
10627 Midwest Industrial Boulevard
St. Louis, MO 63132
TEL: (314) 785-6425
FAX: (314) 785-6426

ACCREDITED IN ACCORDANCE WITH nelac

NELAP Accredited #100226

RE: 2251 Arneur Rd 04-068

OrderNo. 04090441

Dear Jeff Cosmano:

TEKLAB, INC received 1 sample on 9/17/04 12:45:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest that have been tested. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP/Part 186 except where noted in the Case Narrative. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Michael L. Austin
Director of Operations

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: Environmental Management Alternatives
Project: 2251 Arneur Rd 04-068
LabOrder: 04090441
Report Date: September 28, 2004

CASE NARRATIVE

Analytical Comments for METHOD SC_DIOXIN_S, SAMPLE 04090441-001B: Analysis performed by Pace Analytical Services, Inc.
Analytical Comments for METHOD SC_8151S_S, SAMPLE 04090441-001B: Analysis performed by Keystone Laboratories, Inc.

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**E** - Value above quantitation range
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**H** - Holding time exceeded
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**D** - Diluted out of sample
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**MI** - Matrix interference
TNTC - Too numerous to count	* - Value exceeds Maximum Contaminant Level	**DNI** Did Not Ignite
IDPH - Illinois Department of Public Health	**NELAP** - IL ELAP and NELAP Accredited Field of Testing	

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Laboratory Results

CLIENT:	Environmental Management Alternatives	**Client Project:**	2251 Arneur Rd 04-068
WorkOrder:	04090441	**Client Sample ID:**	LD & FS-01
Lab ID:	04090441-001	**Collection Date:**	9/16/04 2:00:00 PM
Report Date:	28-Sep-04	**Matrix:**	SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP								
Arsenic	NELAP	0.0250		**7.43**	mg/L	1	9/22/04 12:00:48 PM	SAM
SW-846 8151A, CHLORINATED HERBICIDES BY GC/ECD								
2,4,5-T		1.00		**2.73**	mg/Kg-dry	1	9/27/04 12:18:00 AM	SUB
2,4,5-TP (Silvex)		1.00		**ND**	mg/Kg-dry	1	9/27/04 12:18:00 AM	SUB
2,4-D		1000		**1120**	mg/Kg-dry	1000	9/27/04 10:16:00 AM	SUB
2,4-DB		1.00		**ND**	mg/Kg-dry	1	9/27/04 12:18:00 AM	SUB
3,5-Dichlorobenzoic Acid		1.00		**ND**	mg/Kg-dry	1	9/27/04 12:18:00 AM	SUB
Acifluorfen		1.00		**ND**	mg/Kg-dry	1	9/27/04 12:18:00 AM	SUB
Bentazon		1.00		**ND**	mg/Kg-dry	1	9/27/04 12:18:00 AM	SUB
Chloramben		1.00		**ND**	mg/Kg-dry	1	9/27/04 12:18:00 AM	SUB
Dalapon		1.00		**ND**	mg/Kg-dry	1	9/27/04 12:18:00 AM	SUB
DCPA		1.00		**ND**	mg/Kg-dry	1	9/27/04 12:18:00 AM	SUB
Dicamba		1.00		**2.98**	mg/Kg-dry	1	9/27/04 12:18:00 AM	SUB
Dichlorprop		100		**ND**	mg/Kg-dry	100	9/27/04 9:04:00 AM	SUB
Dinoseb		1.00		**ND**	mg/Kg-dry	1	9/27/04 12:18:00 AM	SUB
Pentachlorophenol		1.00		**ND**	mg/Kg-dry	1	9/27/04 12:18:00 AM	SUB
Picloram		1.00		**1.36**	mg/Kg-dry	1	9/27/04 12:18:00 AM	SUB
Surr: 2,5-Dichlorobenzoic acid		56-120		**117**	%REC	1	9/27/04 12:18:00 AM	SUB
SW-846 8280A, POLYCHLORINATED DIBENZO-P-DIOXINS BY GC/MS								
2,3,7,8-Tetrachlorodibenzo-p-dioxin		1.00		**1.80**	µg/Kg	1	9/27/04 7:35:00 PM	SUB

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

October 11, 2004

Jeff Cosmano
Environmental Management Alternatives
10627 Midwest Industrial Boulevard
St. Louis, MO 63132
TEL: (314) 785-6425
FAX: (314) 785-6426

NELAP Accredited #100226

RE: 04-068 2251 Armour Rd.

OrderNo. 04100076

Dear Jeff Cosmano:

TEKLAB, INC received 2 samples on 10/5/04 9:35:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest that have been tested. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP/Part 186 except where noted in the Case Narrative. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Michael L. Austin
Director of Operations

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: Environmental Management Alternatives
Project: 04-068 2251 Armour Rd.
LabOrder: 04100076
Report Date: October 11, 2004

CASE NARRATIVE

The samples were out of temperature compliance upon receipt.

Analytical Comments for METHOD SC_8151S_S, SAMPLE 04100076-001B, 002B: Analysis performed by Keystone Laboratories, Inc.

Analytical Comments for METHOD SC_8151S_S, SAMPLE 04100076-001B, 002B: The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**E** - Value above quantitation range
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**H** - Holding time exceeded
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**D** - Diluted out of sample
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**MI** - Matrix interference
TNTC - Too numerous to count	* - Value exceeds Maximum Contaminant Level	**DNI** Did Not Ignite
IDPH - Illinois Department of Public Health	**NELAP** - IL ELAP and NELAP Accredited Field of Testing	

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Laboratory Results

CLIENT:	Environmental Management Alternatives	**Client Project:**	04-068 2251 Armour Rd.
WorkOrder:	04100076	**Client Sample ID:**	04-068-LD
Lab ID:	04100076-001	**Collection Date:**	10/4/04 4:30:00 PM
Report Date:	11-Oct-04	**Matrix:**	SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP								
Arsenic	NELAP	0.0250		**2.47**	mg/L	1	10/8/04 11:04:43 AM	SAM
SW-846 8151A, CHLORINATED HERBICIDES BY GC/ECD								
2,4,5-T		8.25		**10.4**	mg/Kg	1	10/8/04 2:35:00 PM	SUB
2,4,5-TP (Silvex)		8.25		**ND**	mg/Kg	1	10/8/04 2:35:00 PM	SUB
2,4-D		41.3		**139**	mg/Kg	1	10/8/04 4:10:00 PM	SUB
2,4-DB		8.25		**ND**	mg/Kg	1	10/8/04 2:35:00 PM	SUB
3,5-Dichlorobenzoic Acid		8.25		**ND**	mg/Kg	1	10/8/04 2:35:00 PM	SUB
Acifluorfen		8.25		**ND**	mg/Kg	1	10/8/04 2:35:00 PM	SUB
Bentazon		8.25		**ND**	mg/Kg	1	10/8/04 2:35:00 PM	SUB
Chloramben		8.25		**ND**	mg/Kg	1	10/8/04 2:35:00 PM	SUB
Dalapon		8.25		**ND**	mg/Kg	1	10/8/04 2:35:00 PM	SUB
DCPA		8.25		**ND**	mg/Kg	1	10/8/04 2:35:00 PM	SUB
Dicamba		8.25		**ND**	mg/Kg	1	10/8/04 2:35:00 PM	SUB
Dichlorprop		8.25		**13.9**	mg/Kg	1	10/8/04 2:35:00 PM	SUB
Dinoseb		8.25		**ND**	mg/Kg	1	10/8/04 2:35:00 PM	SUB
Pentachlorophenol		8.25		**ND**	mg/Kg	1	10/8/04 2:35:00 PM	SUB
Picloram		8.25		**ND**	mg/Kg	1	10/8/04 2:35:00 PM	SUB
Surr: 2,5-Dichlorobenzoic acid		56-110	S	**0**	%REC	1	10/8/04 2:35:00 PM	SUB

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Laboratory Results

CLIENT:	Environmental Management Alternatives	**Client Project:**	04-068 2251 Armour Rd.
WorkOrder:	04100076	**Client Sample ID:**	04-068-Hepa
Lab ID:	04100076-002	**Collection Date:**	10/4/04 4:30:00 PM
Report Date:	11-Oct-04	**Matrix:**	SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP								
Arsenic	NELAP	0.0250		**6.73**	mg/L	1	10/8/04 11:15:20 AM	SAM
SW-846 8151A, CHLORINATED HERBICIDES BY GC/ECD								
2,4,5-T		5.00		**22.6**	mg/Kg	1	10/8/04 3:23:00 PM	SUB
2,4,5-TP (Silvex)		5.00		**ND**	mg/Kg	1	10/8/04 3:23:00 PM	SUB
2,4-D		25.0		**231**	mg/Kg	1	10/8/04 4:57:00 PM	SUB
2,4-DB		5.00		**ND**	mg/Kg	1	10/8/04 3:23:00 PM	SUB
3,5-Dichlorobenzoic Acid		5.00		**ND**	mg/Kg	1	10/8/04 3:23:00 PM	SUB
Acifluorfen		5.00		**ND**	mg/Kg	1	10/8/04 3:23:00 PM	SUB
Bentazon		5.00		**ND**	mg/Kg	1	10/8/04 3:23:00 PM	SUB
Chloramben		5.00		**ND**	mg/Kg	1	10/8/04 3:23:00 PM	SUB
Dalapon		5.00		**ND**	mg/Kg	1	10/8/04 3:23:00 PM	SUB
DCPA		5.00		**ND**	mg/Kg	1	10/8/04 3:23:00 PM	SUB
Dicamba		5.00		**10.6**	mg/Kg	1	10/8/04 3:23:00 PM	SUB
Dichlorprop		5.00		**23.0**	mg/Kg	1	10/8/04 3:23:00 PM	SUB
Dinoseb		5.00		**ND**	mg/Kg	1	10/8/04 3:23:00 PM	SUB
Pentachlorophenol		5.00		**ND**	mg/Kg	1	10/8/04 3:23:00 PM	SUB
Picloram		5.00		**ND**	mg/Kg	1	10/8/04 3:23:00 PM	SUB
Surr: 2,5-Dichlorobenzoic acid		56-110	S	**0**	%REC	1	10/8/04 3:23:00 PM	SUB

KEY

Item	Description
Borax-WP-01	Borax-Wipe Sample-Location 01
Borax-CC-01	Borax-Concrete Chip Sample - Location 01
Borax-CC-02D	Borax-Concrete Chip Sample - Location 02--Duplicate Sample
Borax-CC-13a	Borax-Concrete Chip Sample-Location 13a = depth of sample is surface to ½ inch below surface
Borax-CC13b	Borax-Concrete Chip Sample-Location 3b = depth of sample is 1” to 2” below surface
Borax-CCBF-01	Borax-Concrete Chip Bottom Floor Sample-Location 01

M.D. Chemical and Testing, Inc.
P.O. Box 19321, Forbes Field, Bldg 281, Topeka, KS 66619
Kansas Certification No. E-10135 (785)862-3500 fax(785)862-5132

Sample Collected By: Rick Horner
Received In lab: 9/17/04
Date Reported: 9/21/04
Project Name: U.S. Borax
Project Number:

Lab Number: 1043487
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043487-01 **Sample ID:** BORAX-WP-01 **Sampled:** 9/16/04						
Arsenic	EPA 6010B	72.0	[5.00]	µg	9/20/04	HK
1043487-02 **Sample ID:** BORAX-WP-02 **Sampled:** 9/16/04						
Arsenic	EPA 6010B	33.7	[5.00]	µg	9/20/04	HK
1043487-03 **Sample ID:** BORAX-WP-03 **Sampled:** 9/16/04						
Arsenic	EPA 6010B	11.3	[5.00]	µg	9/20/04	HK
1043487-04 **Sample ID:** BORAX-WP-04 **Sampled:** 9/16/04						
Arsenic	EPA 6010B	32.2	[5.00]	µg	9/20/04	HK
1043487-05 **Sample ID:** BORAX-WP-05 **Sampled:** 9/16/04						
Arsenic	EPA 6010B	23.1	[5.00]	µg	9/20/04	HK
1043487-06 **Sample ID:** BORAX-WP-06 **Sampled:** 9/16/04						
Arsenic	EPA 6010B	20.9	[5.00]	µg	9/20/04	HK

M.D. Chemical and Testing, Inc.
P.O. Box 19321, Forbes Field, Bldg 281, Topeka, KS 66619
Kansas Certification No. E-10135 (785)862-3500 fax(785)862-5132

Sample Collected By: Rick Horner
Received In lab: 9/17/04
Date Reported: 9/21/04
Project Name: U.S. Borax
Project Number:

Lab Number: 1043487
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043487-07 **Sample ID:** BORAX-WP-07						
Sampled: 9/16/04						
Arsenic	EPA 6010B	6.02	[5.00]	µg	9/20/04	HK
1043487-08 **Sample ID:** BORAX-WP-08						
Sampled: 9/16/04						
Arsenic	EPA 6010B	10.8	[5.00]	µg	9/20/04	HK
1043487-09 **Sample ID:** BORAX-WP-09						
Sampled: 9/16/04						
Arsenic	EPA 6010B	10.4	[5.00]	µg	9/20/04	HK
1043487-10 **Sample ID:** BORAX-WP-10B						
Sampled: 9/16/04						
Arsenic	EPA 6010B	Not Detected	[5.00]	µg	9/20/04	HK
1043487-11 **Sample ID:** BORAX-CC-01						
Sampled: 9/16/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010	10.1	[0.05]	mg/L(ppm)	9/20/04	HK
1043487-12 **Sample ID:** BORAX-CC-02						
Sampled: 9/16/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010	51.0	[0.05]	mg/L(ppm)	9/20/04	HK

M.D. Chemical and Testing, Inc.
P.O. Box 19321, Forbes Field, Bldg 281, Topeka, KS 66619
Kansas Certification No. E-10135 (785)862-3500 fax(785)862-5132

Sample Collected By: Rick Horner
Received In lab: 9/17/04
Date Reported: 9/21/04
Project Name: U.S. Borax
Project Number:

Lab Number: 1043487
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043487-13 **Sample ID:** BORAX-CC-02D						
Sampled: 9/16/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010	57.1	[0.05]	mg/L(ppm)	9/20/04	HK
1043487-14 **Sample ID:** BORAX-CC-03						
Sampled: 9/16/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010	6.10	[0.05]	mg/L(ppm)	9/20/04	HK
1043487-15 **Sample ID:** BORAX-CC-04						
Sampled: 9/16/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010	3.01	[0.05]	mg/L(ppm)	9/20/04	HK
1043487-16 **Sample ID:** BORAX-CC-05						
Sampled: 9/16/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010	2.87	[0.05]	mg/L(ppm)	9/20/04	HK
1043487-17 **Sample ID:** BORAX-CC-06						
Sampled: 9/16/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010	3.47	[0.05]	mg/L(ppm)	9/20/04	HK
1043487-18 **Sample ID:** BORAX-CC-07						
Sampled: 9/16/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010	0.58	[0.05]	mg/L(ppm)	9/20/04	HK

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Sample Collected By: Rick Horner
Received In lab: 9/17/04
Date Reported: 9/21/04
Project Name: U.S. Borax
Project Number:

Lab Number: 1043487
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043487-19 **Sample ID:** BORAX-CC-08						
Sampled: 9/16/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010	0.49	[0.05]	mg/L(ppm)	9/20/04	HK
1043487-20 **Sample ID:** BORAX-CC-09						
Sampled: 9/16/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010	3.66	[0.05]	mg/L(ppm)	9/20/04	HK
1043487-21 **Sample ID:** BORAX-CC-10						
Sampled: 9/16/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010	0.59	[0.05]	mg/L(ppm)	9/20/04	HK

µg = micrograms

Approved By: _____
Lab Manager

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Kansas Certification No. E-10135 (785)862-3500 fax(785)862-5132

Sample Collected By: Rick Horner
Received In lab: 9/24/04
Date Reported: 9/28/04
Project Name: Borax
Project Number:

Lab Number: 1043558
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043558-01 **Sample ID:** BORAX-CC-11						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	0.55	[0.50]	mg/L(ppm)	9/27/04	HK
1043558-02 **Sample ID:** BORAX-CC-12						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	Not Detected	[0.50]	mg/L(ppm)	9/27/04	HK
1043558-03 **Sample ID:** BORAX-CC-13a						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	0.63	[0.50]	mg/L(ppm)	9/27/04	HK
1043558-04 **Sample ID:** BORAX-CC-13b						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	Not Detected	[0.50]	mg/L(ppm)	9/27/04	HK
1043558-05 **Sample ID:** BORAX-CC-14						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	1.52	[0.50]	mg/L(ppm)	9/27/04	HK
1043558-06 **Sample ID:** BORAX-CC-15a						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	Not Detected	[0.50]	mg/L(ppm)	9/27/04	HK

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Sample Collected By: Rick Horner
Received In lab: 9/24/04
Date Reported: 9/28/04
Project Name: Borax
Project Number:

Lab Number: 1043558
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043558-07 **Sample ID:** BORAX-CC-15b						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	0.52	[0.50]	mg/L(ppm)	9/27/04	HK
1043558-08 **Sample ID:** BORAX-CC-16a						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	4.95	[0.50]	mg/L(ppm)	9/27/04	HK
1043558-09 **Sample ID:** BORAX-CC-16b						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	0.60	[0.50]	mg/L(ppm)	9/27/04	HK
1043558-10 **Sample ID:** BORAX-CC-17a						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	1.94	[0.50]	mg/L(ppm)	9/27/04	HK
1043558-11 **Sample ID:** BORAX-CC-17b						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	0.54	[0.50]	mg/L(ppm)	9/27/04	HK
1043558-12 **Sample ID:** BORAX-CC-18						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	13.8	[0.50]	mg/L(ppm)	9/27/04	HK

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Sample Collected By: Rick Horner
Received In lab: 9/24/04
Date Reported: 9/28/04
Project Name: Borax
Project Number:

Lab Number: 1043558
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043558-13 **Sample ID:** BORAX-CC-19a						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	26.4	[0.50]	mg/L(ppm)	9/27/04	HK
1043558-14 **Sample ID:** BORAX-CC-19b						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	5.60	[0.50]	mg/L(ppm)	9/27/04	HK
1043558-15 **Sample ID:** BORAX-CC-20a						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	45.7	[0.50]	mg/L(ppm)	9/27/04	HK
1043558-16 **Sample ID:** BORAX-CC-20b						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	6.23	[0.50]	mg/L(ppm)	9/27/04	HK
1043558-17 **Sample ID:** BORAX-CC-21						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	9.83	[0.50]	mg/L(ppm)	9/27/04	HK
1043558-18 **Sample ID:** BORAX-CC-22						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	2.06	[0.50]	mg/L(ppm)	9/27/04	HK

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Sample Collected By: Rick Horner
Received In lab: 9/24/04
Date Reported: 9/28/04
Project Name: Borax
Project Number:

Lab Number: 1043558
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043558-19 **Sample ID:** BORAX-CC-23						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	7.76	[0.50]	mg/L(ppm)	9/27/04	HK
1043558-20 **Sample ID:** BORAX-CC-24						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	Not Detected	[0.50]	mg/L(ppm)	9/27/04	HK
1043558-21 **Sample ID:** BORAX-CC-25						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	6.13	[0.50]	mg/L(ppm)	9/27/04	HK
1043558-22 **Sample ID:** BORAX-CC-26						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	6.57	[0.50]	mg/L(ppm)	9/27/04	HK
1043558-23 **Sample ID:** BORAX-CC-27						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	2.53	[0.50]	mg/L(ppm)	9/28/04	HK
1043558-24 **Sample ID:** BORAX-CC-28						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	1.89	[0.50]	mg/L(ppm)	9/28/04	HK

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Sample Collected By: Rick Horner
Received In lab: 9/24/04
Date Reported: 9/28/04
Project Name: Borax
Project Number:

Lab Number: 1043558
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043558-25 **Sample ID:** BORAX-CC-29						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	7.13	[0.50]	mg/L(ppm)	9/28/04	HK
1043558-26 **Sample ID:** BORAX-CC-30						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	13.3	[0.50]	mg/L(ppm)	9/28/04	HK
1043558-27 **Sample ID:** BORAX-CC-31						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	1.28	[0.50]	mg/L(ppm)	9/28/04	HK
1043558-28 **Sample ID:** BORAX-CC-32						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	Not Detected	[0.50]	mg/L(ppm)	9/28/04	HK
1043558-29 **Sample ID:** BORAX-CC-33						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	6.40	[0.50]	mg/L(ppm)	9/28/04	HK
1043558-30 **Sample ID:** BORAX-CC-34						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	Not Detected	[0.50]	mg/L(ppm)	9/28/04	HK

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Kansas Certification No. E-10135 (785)862-3500 fax(785)862-5132

Sample Collected By: Rick Horner
Received In lab: 9/24/04
Date Reported: 9/28/04
Project Name: Borax
Project Number:

Lab Number: 1043558
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043558-31 **Sample ID:** BORAX-CC-35						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	Not Detected	[0.50]	mg/L(ppm)	9/28/04	HK
1043558-32 **Sample ID:** BORAX-CC-36						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	Not Detected	[0.50]	mg/L(ppm)	9/28/04	HK
1043558-33 **Sample ID:** BORAX-CC-37						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	Not Detected	[0.50]	mg/L(ppm)	9/28/04	HK
1043558-34 **Sample ID:** BORAX-CC-38						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	Not Detected	[0.50]	mg/L(ppm)	9/28/04	HK
1043558-35 **Sample ID:** BORAX-CC-39						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	Not Detected	[0.50]	mg/L(ppm)	9/28/04	HK
1043558-36 **Sample ID:** BORAX-CC-40						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	Not Detected	[0.50]	mg/L(ppm)	9/28/04	HK

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Kansas Certification No. E-10135 (785)862-3500 fax(785)862-5132

Sample Collected By: Rick Horner
Received In lab: 9/24/04
Date Reported: 9/28/04
Project Name: Borax
Project Number:

Lab Number: 1043558
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043558-37 **Sample ID:** BORAX-CC-41						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	Not Detected	[0.50]	mg/L(ppm)	9/28/04	HK
1043558-38 **Sample ID:** BORAX-CC-42						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	Not Detected	[0.50]	mg/L(ppm)	9/28/04	HK
1043558-39 **Sample ID:** BORAX-CC-43						
Sampled: 9/23/04						
TCLP Extract Analysis						
Arsenic	SW846-1311/6010B	Not Detected	[0.50]	mg/L(ppm)	9/28/04	HK

Approved By: _____
Lab Manager

MD CHEMICAL & TESTING, INC.

FORBES FIELD, BLDG. 281, TOPEKA, KS 66619
PHONE: 785-862-3500 FAX: 785-862-5132

TURNAROUND TIME REQUESTED

STANDARD	RUSH ANALYSIS
☐ 5 working days	☑ 72 HR ☐ 48 HR ☐ 24 HR additional fees for RUSH analysis

*RUSH TAT requires lab contact for availability of services.

LAB USE ONLY

LAB NUMBER	DUE DATE

CLIENT NAME: URS
CONTACT: Rick Horner
STREET ADDRESS: 10975 El Monte Suite 100
CITY, STATE, ZIP: Overland Park, KS 66211
PHONE #: (913) 344-1033
FAX #: (913) 344-1011
PROJECT NAME: U.S. BORAX
PROJECT #:
P.O. #:

ANALYSIS REQUESTED

CONTAINER TEMP (°C)

LAB USE ONLY	CLIENT SAMPLE ID	DATE SAMPLED	TIME SAMPLED	Number of Containers	PRESERVATION: HNO3 (Nitric Acid)	PRESERVATION: H2SO4 (Sulfuric Acid)	PRESERVATION: NaOH (Sodium Hydroxide)	PRESERVATION: HCl (Hydrochloric Acid)	PRESERVATION: Non-Preserved	PRESERVATION: Sodium Thiosulfate	COMPOSITE	GRAB	MATRIX: WATER	MATRIX: SOLID	MATRIX: AIR	MATRIX: OTHER (SPECIFY) Wipe	Total Arsenic	TCLP Arsenic	NOTES
	BORAX-WP-01	9/16/04	12:10	1					✓			✓				1	✓		
	BORAX-WP-02		12:18																
	BORAX-WP-03		12:20																
	BORAX-WP-04		12:30																
	BORAX-WP-05		12:35																
	BORAX-WP-06		12:38																
	BORAX-WP-07		12:42																
	BORAX-WP-08		12:47																
	BORAX-WP-09		12:50																
	BORAX-WP-10B		12:55									✓				✓	✓		
	BORAX-CC-01		13:12								✓			✓				✓	
	BORAX-CC-02		13:18								✓			✓				✓	

RELINQUISHED BY	DATE/TIME	ACCEPTED BY
	9/16/04 1530	
	9-17-04 8:00A	

SAMPLER (PRINT): Rick Horner
SIGNATURE:

COMMENTS:

*FAILURE TO COMPLETE THIS FORM OR COMPLETELY FILL SAMPLE CONTAINERS MAY DELAY LABORATORY RESULTS.

MD CHEMICAL & TESTING, INC.

FORBES FIELD, BLDG. 281, TOPEKA, KS 66619
PHONE: 785-862-3500 FAX: 785-862-5132

TURNAROUND TIME REQUESTED

STANDARD	RUSH ANALYSIS
❑ 5 working days	✓ ❑ 72 HR ❑ 48 HR ❑ 24 HR additional fees for RUSH analysis

*RUSH TAT requires lab contact for availability of services.

LAB USE ONLY

LAB NUMBER	DUE DATE

CLIENT NAME URS
CONTACT Rick Horner
STREET ADDRESS 10975 El Monte
CITY, STATE, ZIP Overland Park Ks 66211
PHONE # (913) 344-1023
FAX # (913) 344-1011
PROJECT NAME U.S. Borax

PROJECT # _____
P.O. # _____

ANALYSIS REQUESTED

CONTAINER TEMP (°C)

LAB USE ONLY	CLIENT SAMPLE ID	DATE SAMPLED	TIME SAMPLED	Number of Containers	PRESERVATION: HNO3 (Nitric Acid)	PRESERVATION: H2SO4 (Sulfuric Acid)	PRESERVATION: NaOH (Sodium Hydroxide)	PRESERVATION: HCl (Hydrochloric Acid)	PRESERVATION: Non-Preserved	PRESERVATION: Sodium Thiosulfate	COMPOSITE	GRAB	MATRIX: WATER	MATRIX: SOLID	MATRIX: AIR	MATRIX: OTHER (SPECIFY)	TCLP Arsenic	NOTES
	BORAX-CC-02D	9/16/04		1					✓		✓			✓			✓	
	BORAX-CC-03																	
	BORAX-CC-04																	
	BORAX-CC-05																	
	BORAX-CC-06																	
	BORAX-CC-07																	
	BORAX-CC-08																	
	BORAX-CC 09																	
	BORAX-CC 10																	

RELINQUISHED BY	DATE/TIME	ACCEPTED BY
	9/16/04 1530	
	9-17-04 8:00H	

SAMPLER (PRINT) Rick Horner
SIGNATURE

COMMENTS:

*FAILURE TO COMPLETE THIS FORM OR COMPLETELY FILL SAMPLE CONTAINERS MAY DELAY LABORATORY RESULTS.

MD CHEMICAL & TESTING, INC.

FORBES FIELD, BLDG. 281, TOPEKA, KS 66619
PHONE: 785-862-3500 FAX: 785-862-5132

TURNAROUND TIME REQUESTED

STANDARD	RUSH ANALYSIS
☐ 5 working days	☑ 72 HR ☐ 48 HR ☐ 24 HR additional fees for RUSH analysis

*RUSH TAT requires lab contact for availability of services.

LAB USE ONLY

LAB NUMBER	DUE DATE

9/23/04

CLIENT NAME: URS Corp.
CONTACT: Rick Hooper
STREET ADDRESS: 10975 El Monte, Suite 100
CITY, STATE, ZIP: Overland Park, KS 66211
PHONE #: (913) 344-1023
FAX #: (913) 344-1011
PROJECT NAME: BORAX

PROJECT #:
P.O. #:

ANALYSIS REQUESTED

LAB USE ONLY	CLIENT SAMPLE ID	DATE SAMPLED	TIME SAMPLED	Number of Containers	PRESERVATION: HNO3 (Nitric Acid)	PRESERVATION: H2SO4 (Sulfuric Acid)	PRESERVATION: NaOH (Sodium Hydroxide)	PRESERVATION: HCl (Hydrochloric Acid)	PRESERVATION: Non-Preserved	PRESERVATION: Sodium Thiosulfate	COMPOSITE	GRAB	MATRIX: WATER	MATRIX: SOLID	MATRIX: AIR	MATRIX: OTHER (SPECIFY)	TCLP Arsenic	NOTES
	BORAX-CC-11	9/23/04	09:40											✓			✓	
	BORAX-CC-12		09:50															
	BORAX-CC-13a		09:58															
	BORAX-CC-13b		10:00															
	BORAX-CC-14		10:15															
	BORAX-CC-15a		10:25															
	BORAX-CC-15b		10:30															
	BORAX-CC-16a		10:43															
	BORAX-CC-16b		10:48															
	BORAX-CC-17a		11:35															
	BORAX-CC-17b		11:40															
	BORAX-CC-18	✓	11:55	✓										✓			✓	

CONTAINER TEMP (°C)

RELINQUISHED BY	DATE/TIME	ACCEPTED BY
	9/24/04 0800	

SAMPLER (PRINT): Rick Hooper
SIGNATURE:

COMMENTS:

*FAILURE TO COMPLETE THIS FORM OR COMPLETELY FILL SAMPLE CONTAINERS MAY DELAY LABORATORY RESULTS.

MD CHEMICAL & TESTING, INC.

FORBES FIELD, BLDG. 281, TOPEKA, KS 66619
PHONE: 785-862-3500 FAX: 785-862-5132

TURNAROUND TIME REQUESTED			
STANDARD	RUSH ANALYSIS		
☐ 5 working days	~~☐ 72 HR~~	☐ 48 HR	☐ 24 HR
	additional fees for RUSH analysis		

*RUSH TAT requires lab contact for availability of services.

LAB USE ONLY	
LAB NUMBER	DUE DATE

Dca 9/23/04

CLIENT NAME: URS Corp.
CONTACT: Rick Horner
STREET ADDRESS: 10975 El Monte #100
CITY, STATE, ZIP: Overland Park, KS 66211
PHONE #: (913) 344-1023
FAX #: (913) 344-1011
PROJECT NAME: BORAX

PROJECT #:
P.O. #:

LAB USE ONLY	CLIENT SAMPLE ID	DATE SAMPLED	TIME SAMPLED	Number of Containers	PRESERVATION: HNO3 (Nitric Acid)	PRESERVATION: H2SO4 (Sulfuric Acid)	PRESERVATION: NaOH (Sodium Hydroxide)	PRESERVATION: HCl (Hydrochloric Acid)	PRESERVATION: Non-Preserved	PRESERVATION: Sodium Thiosulfate	COMPOSITE	GRAB	MATRIX: WATER	MATRIX: SOLID	MATRIX: AIR	MATRIX: OTHER (SPECIFY)	ANALYSIS REQUESTED: TCLP Arsenic	NOTES
	BORAX-CC-19a	9/23/04	12:10	1					✓			✓		✓			✓	
	BORAX-CC-19b		12:15															
	BORAX-CC-20a		12:30															
	BORAX-CC-20b		12:35															
	BORAX-CC-21		13:00															
	BORAX-CC-22		13:05															
	BORAX-CC-23		14:15															
	BORAX-CC-24		14:25															
	BORAX-CC-25		13:10															
	BORAX-CC-26		12:40															
	BORAX-CC-27		12:50															
	BORAX-CC-28		13:08															

CONTAINER TEMP (°C):

RELINQUISHED BY	DATE/TIME	ACCEPTED BY
	9/24/04 08:00	

SAMPLER (PRINT): Rick Horner

SIGNATURE:

COMMENTS:

*FAILURE TO COMPLETE THIS FORM OR COMPLETELY FILL SAMPLE CONTAINERS MAY DELAY LABORATORY RESULTS.

MD CHEMICAL & TESTING, INC.

FORBES FIELD, BLDG. 281, TOPEKA, KS 66619
PHONE: 785-862-3500 FAX: 785-862-5132

TURNAROUND TIME REQUESTED

STANDARD	RUSH ANALYSIS
☐ 5 working days	☑ 72 HR ☐ 48 HR ☐ 24 HR additional fees for RUSH analysis

*RUSH TAT requires lab contact for availability of services.

LAB USE ONLY

LAB NUMBER	DUE DATE

CLIENT NAME: URS Corp.
CONTACT: Rick Hanger
STREET ADDRESS: 10975 El Monte #110
CITY, STATE, ZIP: Overland Park KS 66211
PHONE #: (913) 344-1023
FAX #: (913) 344-1011
PROJECT NAME: Borax

PROJECT #:
P.O. #:

ANALYSIS REQUESTED

CONTAINER TEMP (°C)

LAB USE ONLY	CLIENT SAMPLE ID	DATE SAMPLED	TIME SAMPLED	Number of Containers	PRESERVATION: HNO3 (Nitric Acid)	PRESERVATION: H2SO4 (Sulfuric Acid)	PRESERVATION: NaOH (Sodium Hydroxide)	PRESERVATION: HCl (Hydrochloric Acid)	PRESERVATION: Non-Preserved	PRESERVATION: Sodium Thiosulfate	COMPOSITE	GRAB	MATRIX: WATER	MATRIX: SOLID	MATRIX: AIR	MATRIX: OTHER (SPECIFY)	TCLP Arsenic	NOTES
	BORAX-CC-29	9/23/09	1405	1					✓			✓		✓			✓	
	BORAX-CC-30		1315															
	BORAX-CC-31		1320															
	BORAX-CC-32		1330															
	BORAX-CC-33		1345															
	BORAX-CC-34		1350															
	BORAX-CC-35		1355															
	BORAX-CC-36		1405															
	BORAX-CC-37		1400															
	BORAX-CC-38		1443															
	BORAX-CC-39		1445															
	BORAX-CC-40	✓	1450	✓					✓			✓		✓			✓	

RELINQUISHED BY	DATE/TIME	ACCEPTED BY
	9/24/09 0900	

SAMPLER (PRINT): Rick Hanger
SIGNATURE:

COMMENTS:

*FAILURE TO COMPLETE THIS FORM OR COMPLETELY FILL SAMPLE CONTAINERS MAY DELAY LABORATORY RESULTS.

MD CHEMICAL & TESTING, INC.

FORBES FIELD, BLDG. 281, TOPEKA, KS 66619
PHONE: 785-862-3500 FAX: 785-862-5132

TURNAROUND TIME REQUESTED	
STANDARD	RUSH ANALYSIS
❑ 5 working days	☑ 72 HR ❑ 48 HR ❑ 24 HR additional fees for RUSH analysis

*RUSH TAT requires lab contact for availability of services.

LAB USE ONLY	
LAB NUMBER	DUE DATE

CLIENT NAME: LARS Corp
CONTACT: Rick Horner
STREET ADDRESS: 10975 El Monte #100
CITY, STATE, ZIP: Overland Park KS 66211
PHONE #: (913) 344-1023
FAX #: (913) 344-1011
PROJECT NAME: BORAX

PROJECT #:
P.O. #:

CONTAINER TEMP (°C):

ANALYSIS REQUESTED

LAB USE ONLY	CLIENT SAMPLE ID	DATE SAMPLED	TIME SAMPLED	Number of Containers	PRESERVATION: HNO3 (Nitric Acid)	PRESERVATION: H2SO4 (Sulfuric Acid)	PRESERVATION: NaOH (Sodium Hydroxide)	PRESERVATION: HCl (Hydrochloric Acid)	PRESERVATION: Non-Preserved	PRESERVATION: Sodium Thiosulfate	COMPOSITE	GRAB	MATRIX: WATER	MATRIX: SOLID	MATRIX: AIR	MATRIX: OTHER (SPECIFY)	TCLP Boron	NOTES
	BORAX-CC-41	9/23/04	1452	1					1			✓		✓			✓	
	BORAX-CC-42	✓	1455															
	BORAX-CC-43	✓	1440															

RELINQUISHED BY	DATE/TIME	ACCEPTED BY
	9/24/04 0800	

SAMPLER (PRINT): Rick Horner

SIGNATURE:

COMMENTS:

*FAILURE TO COMPLETE THIS FORM OR COMPLETELY FILL SAMPLE CONTAINERS MAY DELAY LABORATORY RESULTS.

MD Chemical and Testing
ICP Analysis
09/22/2004 Data Set HM092004

SampleID	Analyte	Mean
LPC1		
2004/09/20 13:35:10	All analytes passed QC.	
	As 188.979	2.0 mg/L
2004/09/20 13:35:08	QC value within limits for As 188.979	Recovery = 102.45%
LPC3		
2004/09/20 13:56:55	All analytes passed QC.	
	As 188.979	2.1 mg/L
2004/09/20 13:56:54	QC value within limits for As 188.979	Recovery = 103.52%
LPC1		
2004/09/20 14:33:04	All analytes passed QC. One or more analytes were not evaluated.	
	As 188.979	2.0 mg/L
2004/09/20 14:33:03	QC value within limits for As 188.979	Recovery = 102.25%
LPC2		
2004/09/20 15:00:51	All analytes passed QC. One or more analytes were not evaluated.	
	As 188.979	2.1 mg/L
2004/09/20 15:00:50	QC value within limits for As 188.979	Recovery = 106.19%
2004/09/20 15:27:57	All analytes passed QC. One or more analytes were not evaluated.	
	As 188.979	2.1 mg/L
2004/09/20 15:27:56	QC value within limits for As 188.979	Recovery = 106.19%
LPC3		
2004/09/20 15:31:55	All analytes passed QC. One or more analytes were not evaluated.	
	As 188.979	2.1 mg/L
2004/09/20 15:31:53	QC value within limits for As 188.979	Recovery = 103.16%

QA/QC for Lab No.1043487

MD Chemical
ICP Analysis
Data Set HM092004.xls

Sample ID	Analyte Name	eported Conc (Cal	Calib Units	Recovery	% Difference	
RB 9-16-04	As 188.979	-0.0055	mg/L			
LFB 9-16-04	As 188.979	0.9875	mg/L	98.8%		Pass
RB 9-17-04	As 188.979	-0.0469	mg/L			
LFB 9-17-04	As 188.979	1.0338	mg/L	103.4%		Pass
43487-11 TC	As 188.979	10.0694	mg/L			
43487-12 TC	As 188.979	50.9821	mg/L			
43487-13 TC	As 188.979	57.0818	mg/L			
43487-14 TC	As 188.979	6.1011	mg/L			
43487-15 TC	As 188.979	3.0126	mg/L			
43487-16 TC	As 188.979	2.8716	mg/L			
43487-17 TC	As 188.979	3.4710	mg/L			
43487-18 TC	As 188.979	0.5793	mg/L			
43487-19 TC	As 188.979	0.4878	mg/L			
43487-20 TC	As 188.979	3.6568	mg/L			
43487-21 TC	As 188.979	0.5881	mg/L			
43487-01	As 188.979	0.7199	mg/L			
43487-02	As 188.979	0.3369	mg/L			
43487-03	As 188.979	0.1129	mg/L			
43487-04	As 188.979	0.3218	mg/L			
43487-05	As 188.979	0.2308	mg/L			
43487-06	As 188.979	0.2088	mg/L			
43487-07	As 188.979	0.0602	mg/L			
43487-08	As 188.979	0.1079	mg/L			
43487-09	As 188.979	0.1038	mg/L			
43487-10	As 188.979	-0.0410	mg/L			

RB = Reagent Blank
LFB = Laboratory Fortified Blank

MD Chemical and Testing
ICP Analysis
11/02/2004 Data Set HM092704

SampleID	Analyte	Mean
LPC1		
2004/09/27 15:32:41	All analytes passed QC.	
	As 188.979	2.2 mg/L
2004/09/27 15:32:40	QC value within limits for As 188.979	Recovery = 107.91%
LPC2		
2004/09/27 16:01:55	All analytes passed QC.	
	As 188.979	2.2 mg/L
2004/09/27 16:01:54	QC value within limits for As 188.979	Recovery = 112.68%
2004/09/27 16:29:42	All analytes passed QC.	
	As 188.979	2.2 mg/L
2004/09/27 16:29:41	QC value within limits for As 188.979	Recovery = 109.94%
2004/09/27 16:56:45	All analytes passed QC.	
	As 188.979	2.2 mg/L
2004/09/27 16:56:43	QC value within limits for As 188.979	Recovery = 109.42%
LPC3		
2004/09/27 17:04:24	All analytes passed QC.	
	As 188.979	2.3 mg/L
2004/09/27 17:04:22	QC value within limits for As 188.979	Recovery = 113.44%

QA/QC for Lab No.1043558

MD Chemical
ICP Analysis
Data Set HM092704.xls

Sample ID	Analyte Name	Reported Conc (Calib)	Calib Units	Recovery	% Difference	
RB 9-27-04	As 188.979	0.0678	mg/L			
LFB 9-27-04	As 188.979	1.0842	mg/L	108.4%		PASS
43558-01 TC	As 188.979	0.5473	mg/L		-6.2%	PASS
43558-01 DUP TC	As 188.979	0.7011	mg/L			
43558-02 TC	As 188.979	0.4186	mg/L			
43558-02 SPK TC	As 188.979	1.3760	mg/L	95.7%	-2.4%	PASS
43558-02 DSPK TC	As 188.979	1.5137	mg/L	109.5%		PASS
43558-12 TC	As 188.979	13.8006	mg/L			
43558-12 SPK TC	As 188.979	14.6574	mg/L	85.7%	-0.3%	PASS
43558-12 DSP TC	As 188.979	14.8313	mg/L	103.1%		PASS
43558-21 TC	As 188.979	6.1295	mg/L		-0.9%	PASS
43558-21 DUP TC	As 188.979	6.3611	mg/L			
43551-01	As 188.979	0.0988	mg/L			
43551-01 SPK	As 188.979	1.2140	mg/L	111.5%	0.5%	PASS
43551-01 DSPK	As 188.979	1.1908	mg/L	109.2%		PASS

RB = Reagent Blank
LFB = Laboratory Fortified Blank

QA\QC for Lab No.1043557, 1043558

MD Chemical
AA Analysis
Data Set AS092804.xls

Sample_ID	EL	Mean_SA	Samp_Units	Recovery	% Difference	
TMI*2500	As	44.426702	µg/L	111.1%		PASS
RB 9-23-04	As	1.211946	µg/L			
LFB 9-23-04*25	As	1064.81448	µg/L	106.5%		PASS
RB 9-27-04	As	0.133493	µg/L			
LFB 9-27-04*25	As	1073.41317	µg/L	107.3%		PASS
TMI*2500	As	44.080581	µg/L	110.2%		PASS
43564-01	As	0.601092	µg/L			
43564-01 SPK*25	As	1132.554	µg/L	113%	-0.191%	PASS
43564-01 DSPK*25	As	1134.72431	µg/L	113%		PASS
TMI*2500	As	44.981603	µg/L	112.5%		PASS
TMI*2500	As	44.503494	µg/L	111.3%		PASS
TMI*2500	As	45.53066	µg/L	113.8%		PASS
TMI*2500	As	45.51213	µg/L	113.8%		PASS
TMI*2500	As	40.213255	µg/L	100.5%		PASS
TMI*2500	As	44.295117	µg/L	110.7%		PASS
TMI*2500	As	44.785617	µg/L	112.0%		PASS
TMI*2500	As	44.154893	µg/L	110.4%		PASS
TMI*2500	As	44.173161	µg/L	110.4%		PASS

LPC = Lab Performance Check
RB = Reagent Blank
LFB = Lab Fortified Blank
TMI = Lab Performance Check

M.D. Chemical and Testing, Inc.
P.O. Box 19321, Forbes Field, Bldg 281, Topeka, KS 66619
Kansas Certification No. E-10135 (785)862-3500 fax(785)862-5132

Sample Collected By: Rick Horner
Date Collected: 10/8/04
Received In lab: 10/8/04 10:46
Date Analyzed: 10/12/04
Date Reported: 10/12/04
Analyst: HK
Project Name: Borax
Project Number:

Lab Number: 1043682
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

Analysis: TCLP Arsenic Method:SW846-1311/6010B

Sample Number	Sample ID		TCLP RESULTS mg/L(ppm)	DETECTION LIMIT mg/L(ppm)	TCLP LIMIT mg/L(ppm)
1043682-01	BORAX-CCBF-01	comp/solid	0.485	[0.20]	5.0
1043682-02	BORAX-CCBF-02	comp/solid	0.704	[0.20]	5.0
1043682-03	BORAX-CCBF-03	comp/solid	0.977	[0.20]	5.0
1043682-04	BORAX-CCBF-04	comp/solid	0.403	[0.20]	5.0
1043682-05	BORAX-CCBF-05	comp/solid	0.630	[0.20]	5.0

Approved By:
Lab Manager

MD CHEMICAL & TESTING, INC.

FORBES FIELD, BLDG. 281, TOPEKA, KS 66619
PHONE: 785-862-3500 FAX: 785-862-5132

TURNAROUND TIME REQUESTED			
STANDARD	RUSH ANALYSIS		
❑ 5 working days	✓ 72 HR	❑ 48 HR	❑ 24 HR
	additional fees for RUSH analysis		

*RUSH TAT requires lab contact for availability of services.

LAB USE ONLY	
LAB NUMBER	DUE DATE

PAGE ___ of ___

CLIENT NAME: URS
CONTACT: Rick Horner
STREET ADDRESS: 10975 El Monte #100
CITY, STATE, ZIP: Overland Park, KS 66211
PHONE #: (913) 344-1023
FAX #: (913) 344-1011
PROJECT NAME: BORAX

PROJECT #: _____
P.O. #: _____

ANALYSIS REQUESTED

CONTAINER TEMP (°C)

LAB USE ONLY	CLIENT SAMPLE ID	DATE SAMPLED	TIME SAMPLED	Number of Containers	PRESERVATION: HNO3 (Nitric Acid)	PRESERVATION: H2SO4 (Sulfuric Acid)	PRESERVATION: NaOH (Sodium Hydroxide)	PRESERVATION: HCl (Hydrochloric Acid)	PRESERVATION: Non-Preserved	PRESERVATION: Sodium Thiosulfate	COMPOSITE	GRAB	MATRIX: WATER	MATRIX: SOLID	MATRIX: AIR	MATRIX: OTHER (SPECIFY)	TCLP Hg	NOTES
	BORAX-CCBF-01	10/3/04	0900						✓		✓			✓			✓	
	BORAX-CCBF-02	↓	0905	↓					↓		↓			↓			↓	
	BORAX-CCBF-03		0908															
	BORAX-CCBF-04		0915															
	BORAX-CCBF-05	↓	0920	↓					↓		↓			↓			↓	

RELINQUISHED BY	DATE/TIME	ACCEPTED BY
	10/3/04 1040	

SAMPLER (PRINT): Rick Horner
SIGNATURE:

COMMENTS:

*FAILURE TO COMPLETE THIS FORM OR COMPLETELY FILL SAMPLE CONTAINERS MAY DELAY LABORATORY RESULTS.

MD Chemical and Testing
ICP Analysis
11/02/2004 Data Set HM101204

SampleID	Analyte	Mean
LPC1		
2004/10/12 15:39:24	All analytes passed QC.	
	As 188.979	2.0 mg/L
2004/10/12 15:39:23	QC value within limits for As 188.979	Recovery = 100.00%
LPC2		
2004/10/12 16:09:31	All analytes passed QC.	
	As 188.979	2.2 mg/L
2004/10/12 16:09:30	QC value within limits for As 188.979	Recovery = 108.00%
LPC3		
2004/10/12 16:14:15	All analytes passed QC.	
	As 188.979	2.0 mg/L
2004/10/12 16:14:13	QC value within limits for As 188.979	Recovery = 101.81%

QA/QC for Lab No.1043682

MD Chemical
ICP Analysis
Data Set HM101204.xls

Sample ID	Analyte Name	Reported Conc (Calib)	Calib Units	Recovery	% Difference	
RB 10-12-04	As 188.979	-0.0742	mg/L			
LFB 10-12-04	As 188.979	0.9294	mg/L	92.9%		PASS
43682-01 TC	As 188.979	0.4845	mg/L			
43682-01 SPK TC	As 188.979	1.4988	mg/L	101.4%	0.4%	PASS
43682-01 DSPK TC	As 188.979	1.4760	mg/L	99.1%		PASS

RB = Reagent Blank
LFB = Laboratory Fortified Blank

From: Williams.Dave@epamail.epa.gov
To: ross_overby@urscorp.com
Date: Friday, September 10, 2004 02:33PM
Subject: Fw: Off-site Rule determination

Ross:

The facility described below is acceptable to receive PCB wastes.

Call if questions.

David P. Williams
Federal On-Scene Coordinator
EPA Region 7
Kansas City, KS 66101
913-551-7625
----- Forwarded by Dave Williams/SUPR/R7/USEPA/US on 09/10/2004 02:31 PM

Kori
Kuehl/ARTD/R7/US
EPA/US To
Dave
09/10/2004 02:25 Williams/SUPR/R7/USEPA/US@EPA
PM cc

Subject
Re: Off-site Rule determination
(Document link: David Williams)

Yes, they are acceptable to receive the PCB waste. The last inspection done by TSCA was done on 4/28/04.

Thanks!

P.S. I am waiting on Chet on the other request you have about the asbestos (he has to contact the state), how soon do you need the answer?

Kori

Kori Kuehl, Environmental Scientist
Environmental Protection Agency, Region 7

901 N. 5th St.
Kansas City, KS 66101
913-551-7154
913-551-7947 (fax)
Kuehl.Kori@epa.gov

Dave
Williams/SUPR/R7
/USEPA/US To
Kori Kuehl/ARTD/R7/USEPA/US@EPA
09/10/2004 01:01 cc
PM
Subject
Off-site Rule determination

Kori:

I am writing to you in regards to your role as the EPA Region 7 Off-Site Rule contact.

A private party is proposing to send a PCB transformer and PCB-contaminated debris from a Superfund cleanup site to the following facility in Kansas. Is this facility acceptable to receive such wastes?

Clean Harbors
Coffeyville, Kansas

Thanks,

David P. Williams
Federal On-Scene Coordinator
EPA Region 7
Kansas City, KS 66101
913-551-7625

From: Williams.Dave@epamail.epa.gov
To: ross_overby@urscorp.com
Date: Thursday, September 23, 2004 12:33PM
Subject: Fw: asbestos landfills

Ross:

The Courtney Ridge landfill in Sugar Creek, Missouri is acceptable to take the asbestos-containing material from the Armour Road site. I am still trying to get a determination on the construction debris from the site.

David P. Williams
Federal On-Scene Coordinator
EPA Region 7
Kansas City, KS 66101
913-551-7625
----- Forwarded by Dave Williams/SUPR/R7/USEPA/US on 09/23/2004 12:30 PM

Kori
Kuehl/ARTD/R7/US
EPA/US To
Dave
09/23/2004 12:27 Williams/SUPR/R7/USEPA/US@EPA
PM cc

Subject
Fw: asbestos landfills

It appears that this facility is acceptable to receive the waste.
Thanks so much for your patience.

Kori

Kori Kuehl, Environmental Scientist
Environmental Protection Agency, Region 7
901 N. 5th St.
Kansas City, KS 66101
913-551-7154
913-551-7947 (fax)
Kuehl.Kori@epa.gov

delete all copies of this message and contact the sender by return e-mail or by calling 913-551-7154. Thank you.
----- Forwarded by Kori Kuehl/ARTD/R7/USEPA/US on 09/23/2004 12:26 PM -----

Chilton McLaughlin/ARTD/ R7/USEPA/US To Kori Kuehl/ARTD/R7/USEPA/US@EPA
09/23/2004 12:23 cc
PM
Subject
Fw: asbestos landfills

Kori, Apparently MDNR permits the disposal of asbestos in any state permitted sanitary landfill. They do not distinguish asbestos wastes. Courtney Ridge is number 8 on the list. Please pass this on to Dave.
Chet

----- Forwarded by Chilton McLaughlin/ARTD/R7/USEPA/US on 09/23/04 12:19 PM -----

Barry Rabe <barry.rabe@dnr.mo.gov> To Chilton
09/23/04 10:47 McLaughlin/ARTD/R7/USEPA/US@EPA
AM cc

Subject
asbestos landfills

Chet:

Here is a link that lists all of our permitted SLFs which accept asbestos waste:

http://www.dnr.mo.gov/alpd/swmp/facilities/sanlist.htm

Please let me know if you need anything further on this. Thanks,

Barry Rabe

573-751-4817

From: Williams.Dave@epamail.epa.gov
To: Ross_Overby@URSCorp.com
Date: Monday, October 04, 2004 10:58AM
Subject: Courtney Ridge landfill approval

I spoke with Candace Bias, Missouri Department of Natural Resources Solid Waste Program, at approximately 10:15 am this morning (October 4, 2004). I asked Ms. Bias about the acceptability of the following landfill to accept non-hazardous wastes from the Armour Road Superfund Site located in North Kansas City, Missouri:

Courtney Ridge Recycling and Disposal Facility
Sugar Creek, Missouri
Permit Number: 0109521

I told Ms. Bias that the materials that would be going to the landfill included building construction debris, railroad ties, and utility poles, all of which would be considered non-hazardous (solid) wastes.

Ms. Bias said that the subject landfill was acceptable to receive such wastes.

If you have any questions, give me a call.

David P. Williams
Federal On-Scene Coordinator
EPA Region 7
Kansas City, KS 66101
913-551-7625

From: Williams.Dave@epamail.epa.gov
To: ross_overby@urscorp.com
Date: Tuesday, November 02, 2004 07:33AM
Subject: Fw: Disposal Issues at Armour Road

As described by William Damico, the EPA Region 5 Off-Site Rule Coordinator, the two facilities referred to below are acceptable to take the indicated wastes.

David P. Williams
Federal On-Scene Coordinator
EPA Region 7
Kansas City, KS 66101
913-551-7625
----- Forwarded by Dave Williams/SUPR/R7/USEPA/US on 11/02/2004 07:31 AM -----

William Damico/R5/USEPA/US To Dave
11/01/2004 03:12 PM
Williams/SUPR/R7/USEPA/US@EPA cc

Subject
Re: Fw: Disposal Issues at Armour Road(Document link: David Williams)

Michigan Disposal is acceptable. The most recent inspection was conducted 06/18/2004.

The Republic Landfill in New Boston, Michigan is named Carelton Farms. That facility is also acceptable. The most recent inspection I have recorded for this facility is 01/07/2002, but I don't really keep current on landfill inspection dates.

William Damico
312-353-8207

Dave
Williams/SUPR/R7
/USEPA/US
To
11/01/2004 02:41 To
PM William Damico/R5/USEPA/US@EPA
cc

bcc

Fax to

Subject
Fw: Disposal Issues at Armour
Road

Will:

Thanks for the quick response. This is the information I received (from the consulting company that is managing the response work) for the EQ landfill. This material is coming from the Armour Road Superfund Site located in North Kansas City, Missouri.

David P. Williams
Federal On-Scene Coordinator
EPA Region 7
Kansas City, KS 66101
913-551-7625
----- Forwarded by Dave Williams/SUPR/R7/USEPA/US on 11/01/2004 02:37 PM

Ross_Overby@URSC
orp.com
To
11/01/2004 02:15 Dave
PM Williams/SUPR/R7/USEPA/US@EPA
cc

Subject
RE: Disposal Issues at Armour
Road

-----Forwarded by Ross Overby/Oakland/URSCorp on 11/01/2004 03:11PM

To: <Ross_Overby@urscorp.com>
From: "Jeff Cosmano" <jcosmano@ema-env.com>
Date: 11/01/2004 01:51PM
Subject: RE: Disposal Issues at Armour Road

The Environmental Quality Company

Treated at:

Michigan Disposal
49350 North I-94 Service Drive
Belleville, Michigan 48111
EPA # MID000724831

Landfill in:

Republic
28800 Clark Road
New Boston, MI 48164
EPA # MIO000131230

Floor Sweepings - BULK NON-HAZARDOUS
Profile to Environmental Quality in Belleville, Michigan
Will need EPA facility approval
Will need to send profile to Larry Clubine
Price $400.00 per Super Sack (1 CY) T&D - 3 Units = $1,200.00

Floor Sweepings - HEPA HAZARDOUS
Profile to Environmental Quality in Belleville, Michigan
Will need EPA facility approval
Will need to send profile to Larry Clubine
Price $500.00 per Super Sack (1 CY) T&D - 1 Unit = $500.00

North & South Vat Contents - HAZARDOUS
Profile to Environmental Quality in Belleville, Michigan
Will need EPA facility approval
Will need to send profile to Larry Clubine
Price $250.00 per 55-Gallon Drum T&D - 3 Units = $750.00

Trench sediment - NON-HAZARDOUS
Profile to Environmental Quality in Belleville, Michigan
Will need EPA facility approval
Will need to send profile to Larry Clubine
Price $225.00 per 55-Gallon Drum T&D - 4 Units = $900.00

Suspected Burn Barrel - NON-HAZARDOUS

This is a 30 Gallon Drum (no lid) overpacked in a 55-gallon drum (surcharge applies)
Profile to Environmental Quality in Belleville, Michigan
Will need EPA facility approval
Will need to send profile to Larry Clubine
Price $325.00 per 55-Gallon Overpack T&D - 1 Unit = $325.00

Respectfully,

ENVIRONMENTAL MANAGEMENT ALTERNATIVES

Jeffrey Cosmano

Environmental Management Alternatives
10627 Midwest Industrial Boulevard
Saint Louis, Missouri 63132

314.785.6425 Office
314.785.6426 Facsimile
314.221.6783 Mobile
jcosmano@ema-env.com

Jeff -
e-mail -
jcosmano@ema-env.com

ASBESTOS CONSULTING TESTING
14953 WEST 101ST TERRACE
LENEXA, KANSAS 66215
(913) 492-1337
FAX (913) 492-1392

FAX

TO FAX NUMBER: 344-1011

PLEASE DELIVER THE FOLLOWING PAGES TO:

PERSON'S NAME: Dave Bronson / Mike Frararo

COMPANY NAME: URS

ADDRESS/ LOCATION:

DATE: 6/22/04

Total number of pages including cover letter: 14

FROM: Tami Van

Fax Number: (913) 492-1392

COMMENTS:

If you receive this fax in error, please contact ACT at (913) 492-1337.

ASBESTOS CONSULTING TESTING

14953 West 101st Terrace
Lenexa, Kansas 66215
(913) 492-1337 • Fax (913) 492-1392

June 21, 2004

URS
10975 El Monte, #100
Overland Park, KS 66211

Project: US Borax

Enclosed please find results for the bulk samples submitted to our laboratory for asbestos analysis from the above referenced project.

The asbestos analysis was performed using Polarized Light Microscopy (PLM) with dispersion staining in accordance with the EPA test method for the determination of asbestos in bulk samples, EPA/600/R-93/116. If the sample was inhomogeneous (layered), the components or subsamples were analyzed and reported separately. The percentage of fibers is listed. The method of measurement is based on calibrated visual estimation. The data provided herein is related only to those samples submitted for analysis. Samples comprised of greater than one percent (1%) asbestos are to be considered an asbestos containing material.

Verification by PLM point counting is available upon request. Due to limitations of the PLM microscope and the matrix of floor tile, any floor tile samples found to contain NO asbestos may be verified by TEM analysis upon the client's request.

This report may not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced, except in full, without the written approval of ACT.

If you have any questions, please contact me at 913-492-1337.

Respectfully submitted,

Tami L. Van
Laboratory Director
NVLAP Lab Code: 101649-0

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: URS
Address: 10975 El Monte, #100
Overland Park, KS 66211

REPORT NO.: B-38896
RUSH TAT
Project Name: US Borax
Address:

Date sample collected: 6/18/2004
Collected by: Dave Bronson/ Aaron Stiegerwalt
Submitted by: Dave Bronson
Date sample submitted: 6/18/2004

Project No.: 26814574
Analyst: Tami Van
Analysis Date: 6/22/2004

Sample No.: C-FL1-01
Layer No.:
Location of Material: Ceiling tile
Description of Material: Brown compact granular fibrous / white paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	60	Bulk/Binder	5
		Fibrous glass	20	Perlite	15

Sample No.: C-FL1-02
Layer No.:
Location of Material: Ceiling tile
Description of Material: Brown compact granular fibrous / white paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	60	Bulk/Binder	5
		Fibrous glass	20	Perlite	15

Sample No.: C-FL1-03
Layer No.:
Location of Material: Ceiling tile
Description of Material: Brown compact granular fibrous / white paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	60	Bulk/Binder	5
		Fibrous glass	20	Perlite	15

Sample No.: C-FL2-01
Layer No.:
Location of Material: Ceiling tile
Description of Material: Lt. Tan compact granular fibrous / white paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	55	Bulk/Binder	5
		Fibrous glass	25	Perlite	15

Sample No.: C-FL2-02
Layer No.:
Location of Material: Ceiling tile
Description of Material: Lt. Tan compact granular fibrous / white paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	55	Bulk/Binder	5
		Fibrous glass	25	Perlite	15

Analyst: TV Laboratory Director: Tami Van

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: URS
Address: 10975 El Monte, #100
Overland Park, KS 66211

REPORT NO.: B-38896
RUSH TAT
Project Name: US Borax
Address:

Date sample collected: 6/18/2004
Collected by: Dave Bronson/ Aaron Stiegerwalt
Submitted by: Dave Bronson
Date sample submitted: 6/18/2004

Project No.: 26814574
Analyst: Tami Van
Analysis Date: 6/22/2004

Sample No.: C-FL2-03
Layer No.:
Location of Material: Ceiling tile
Description of Material: Lt. Tan compact granular fibrous / white paint

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	55	Bulk/Binder	5
		Fibrous glass	25	Perlite	15

Sample No.: E-FL1-01
Layer No.: 1
Location of Material: Trim
Description of Material: Olive green flat smooth flexible

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: E-FL1-01
Layer No.: 2
Location of Material: Adhesive
Description of Material: Brown brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: E-FL1-02
Layer No.: 1
Location of Material: Trim
Description of Material: Olive green flat smooth flexible

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: E-FL1-02
Layer No.: 2
Location of Material: Adhesive
Description of Material: Brown brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: TV Laboratory Director: Tami Van

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: URS
Address: 10975 El Monte, #100
Overland Park, KS 66211

REPORT NO.: B-38896
RUSH TAT
Project Name: US Borax
Address:

Date sample collected: 6/18/2004
Collected by: Dave Bronson/ Aaron Stiegerwalt
Submitted by: Dave Bronson
Date sample submitted: 6/18/2004

Project No.: 26814574
Analyst: Tami Van
Analysis Date: 6/22/2004

Sample No.: E-FL1-03
Layer No.: 1
Location of Material: Trim
Description of Material: Olive green flat smooth flexible

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: E-FL1-03
Layer No.: 2
Location of Material: Adhesive
Description of Material: Brown brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: F-FL2-01
Layer No.: 1
Location of Material: Trim
Description of Material: Black flat smooth flexible

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: F-FL2-01
Layer No.: 2
Location of Material: Adhesive
Description of Material: Dk. Brown brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: F-FL2-02
Layer No.: 1
Location of Material: Trim
Description of Material: Black flat smooth flexible

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: TV Laboratory Director: Tami Van

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: URS
Address: 10975 El Monte, #100
Overland Park, KS 66211

REPORT NO.: B-38896
RUSH TAT
Project Name: US Borax
Address:

Date sample collected: 6/18/2004
Collected by: Dave Bronson/ Aaron Stiegerwalt
Submitted by: Dave Bronson
Date sample submitted: 6/18/2004

Project No.: 26814574
Analyst: Tami Van
Analysis Date: 6/22/2004

Sample No.: F-FL2-02
Layer No.: 2
Location of Material: Adhesive
Description of Material: Dk. Brown brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: F-FL2-03
Layer No.: 1
Location of Material: Trim
Description of Material: Black flat smooth flexible

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: F-FL2-03
Layer No.: 2
Location of Material: Adhesive
Description of Material: Dk. Brown brittle

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: A-FL1-01
Layer No.: 1
Location of Material: Floor tile
Description of Material: Beige flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	2			Bulk/Binder	98

Sample No.: A-FL1-01
Layer No.: 2
Location of Material: Mastic
Description of Material: Black viscous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	7			Bulk/Binder	93

Analyst: TV Laboratory Director: Tami Van

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: URS
Address: 10975 El Monte, #100
Overland Park, KS 66211

REPORT NO.: B-38896
RUSH TAT
Project Name: US Borax
Address:

Date sample collected: 6/18/2004
Collected by: Dave Bronson/ Aaron Stiegerwalt
Submitted by: Dave Bronson
Date sample submitted: 6/18/2004

Project No.: 26814574
Analyst: Tami Van
Analysis Date: 6/22/2004

Sample No.: A-FL1-02
Layer No.: 1
Location of Material: Floor tile
Description of Material: Beige flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	2			Bulk/Binder	98

Sample No.: A-FL1-02
Layer No.: 2
Location of Material: Mastic
Description of Material: Black viscous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	7			Bulk/Binder	93

Sample No.: A-FL1-03
Layer No.: 1
Location of Material: Floor tile
Description of Material: Beige flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	2			Bulk/Binder	98

Sample No.: A-FL1-03
Layer No.: 2
Location of Material: Mastic
Description of Material: Black viscous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	7			Bulk/Binder	93

Sample No.: D-FL1-01
Layer No.: 1
Location of Material: Wall Board
Description of Material: Lt. Gray chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	3	Bulk/Binder	97

Analyst: TV Laboratory Director: Tami Van

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14963 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: URS
Address: 10975 El Monte, #100
Overland Park, KS 66211

REPORT NO.: B-38896
RUSH TAT
Project Name: US Borax
Address:

Date sample collected: 6/18/2004
Collected by: Dave Bronson/ Aaron Stiegerwalt
Submitted by: Dave Bronson
Date sample submitted: 6/18/2004

Project No.: 26814574
Analyst: Tami Van
Analysis Date: 6/22/2004

Sample No.: D-FL1-01
Layer No.: 2
Location of Material: Wall Board
Description of Material: Brown compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	100	Bulk/Binder	0

Sample No.: D-FL1-02
Layer No.:
Location of Material: Wall Board
Description of Material: Lt. Gray chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	3	Bulk/Binder	97

Sample No.: D-FL1-03
Layer No.:
Location of Material: Wall Board
Description of Material: Lt. Gray chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	3	Bulk/Binder	97

Sample No.: G-FL2-01
Layer No.:
Location of Material: Surface texture
Description of Material: Gray rocky cementitious

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: G-FL2-02
Layer No.:
Location of Material: Surface texture
Description of Material: Brown rocky cementitious

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Analyst: TV Laboratory Director: Tami Van

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: URS
Address: 10975 El Monte, #100
Overland Park, KS 66211

REPORT NO.: B-38896
RUSH TAT
Project Name: US Borax
Address:

Date sample collected: 6/18/2004
Collected by: Dave Bronson/ Aaron Stiegerwalt
Submitted by: Dave Bronson
Date sample submitted: 6/18/2004

Project No.: 26814574
Analyst: Tami Van
Analysis Date: 6/22/2004

Sample No.: G-FL2-03
Layer No.:
Location of Material: Surface texture
Description of Material: Brown rocky cementitious

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED				Bulk/Binder	100

Sample No.: B-FL1-01
Layer No.: 1
Location of Material: Floor tile
Description of Material: Beige flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	3			Bulk/Binder	97

Sample No.: B-FL1-01
Layer No.: 2
Location of Material: Mastic
Description of Material: Black viscous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	7			Bulk/Binder	93

Sample No.: B-FL1-02
Layer No.: 1
Location of Material: Floor tile
Description of Material: Beige flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	3			Bulk/Binder	97

Sample No.: B-FL1-02
Layer No.: 2
Location of Material: Mastic
Description of Material: Black viscous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	7			Bulk/Binder	93

Analyst: TV Laboratory Director: Tami Van

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101648-0

Client Name: URS
Address: 10975 El Monte, #100
Overland Park, KS 66211

REPORT NO.: B-38896
RUSH TAT
Project Name: US Borax
Address:

Date sample collected: 6/18/2004
Collected by: Dave Bronson/ Aaron Stiegerwalt
Submitted by: Dave Bronson
Date sample submitted: 6/18/2004

Project No.: 26814574
Analyst: Tami Van
Analysis Date: 6/22/2004

Sample No.: B-FL1-03
Layer No.: 1
Location of Material: Floor tile
Description of Material: Beige flat smooth hard

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	3			Bulk/Binder	97

Sample No.: B-FL1-03
Layer No.: 2
Location of Material: Mastic
Description of Material: Black viscous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
CHRYSOTILE	7			Bulk/Binder	93

Sample No.: H-WH-01
Layer No.: 1
Location of Material: Wall Board
Description of Material: White chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	2	Bulk/Binder	98

Sample No.: H-WH-01
Layer No.: 2
Location of Material: Wall Board
Description of Material: Brown compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	100	Bulk/Binder	0

Sample No.: H-WH-02
Layer No.: 1
Location of Material: Wall Board
Description of Material: White chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	2	Bulk/Binder	98

Analyst: TV Laboratory Director: Tami Van

Asbestos Bulk Analysis Laboratory Report

Asbestos Consulting Testing (ACT) 14953 W. 101st Terrace, Lenexa, KS 66215 (913) 492-1337 NVLAP Lab Code: 101649-0

Client Name: URS
Address: 10975 El Monte, #100
Overland Park, KS 66211

REPORT NO.: B-38896
RUSH TAT
Project Name: US Borax
Address:

Date sample collected: 6/18/2004
Collected by: Dave Bronson/ Aaron Stiegerwalt
Submitted by: Dave Bronson
Date sample submitted: 6/18/2004

Project No.: 26814574
Analyst: Tami Van
Analysis Date: 6/22/2004

Sample No.: H-WH-02
Layer No.: 2
Location of Material: Wall Board
Description of Material: Brown compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	100	Bulk/Binder	0

Sample No.: H-WH-03
Layer No.: 1
Location of Material: Wall Board
Description of Material: White chalky

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	2	Bulk/Binder	98

Sample No.: H-WH-03
Layer No.: 2
Location of Material: Wall Board
Description of Material: Brown compact fibrous

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
NONE DETECTED		Cellulose	100	Bulk/Binder	0

Sample No.:
Layer No.:
Location of Material:
Description of Material:

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
				Bulk/Binder	

Sample No.:
Layer No.:
Location of Material:
Description of Material:

Asbestos Fiber Type	Percentage	Non-Asbestos Fiber Type	Percentage	Non-Fibrous Percentage	
				Bulk/Binder	

Analyst: TV Laboratory Director: Tami Van

National Institute of Standards and Technology NVLAP® National Voluntary Laboratory Accreditation Program

ISO/IEC 17025:1999
ISO 9002:1994

Scope of Accreditation

BULK ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 101649-0**

ASBESTOS CONSULTING & TESTING (ACT)
14953 West 101st Terrace
Lenexa, KS 66215
Ms. Tami L. Van
Phone: 913-492-1337 Fax: 913-492-1392
E-Mail: tvan_act@sbcglobal.net

NVLAP Code	*Designation*
18/A01	EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

March 31, 2005
Effective through

For the National Institute of Standards and Technology

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

ISO/IEC 17025:1999
ISO 9002:1994

Certificate of Accreditation

DEPARTMENT OF COMMERCE * UNITED STATES OF AMERICA *

ASBESTOS CONSULTING & TESTING (ACT)
LENEXA, KS

is recognized by the National Voluntary Laboratory Accreditation Program for satisfactory compliance with criteria set forth in NIST Handbook 150:2001, all requirements of ISO/IEC 17025:1999, and relevant requirements of ISO 9002:1994. Accreditation is awarded for specific services, listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

March 31, 2005
Effective through

For the National Institute of Standards and Technology
NVLAP Lab Code: 101649-0

NVLAP-01C (08-01)

Subcontract No.: 0001

ARTICLE XVIII - Compliance With Law and EEOC Compliance. In performance hereunder, and every activity connected therewith, Subcontractor shall comply fully with all applicable laws, ordinances, rules and regulations, and when requested, shall furnish evidence satisfactory to URS of such compliance. In addition, Subcontractor shall comply with the then current provisions of the Equal Opportunity Clause at 41 CFR § 60-1.4(a), 41 CFR § 60-250.5(a), and 41CFR § 60-741.5(a) which are hereby incorporated by reference.

ARTICLE XIX - Integrated Writing. This Subcontract constitutes the entire agreement between URS and Subcontractor and supersedes all prior or contemporaneous communications, representations, or agreements, oral or written, with respect to its subject matter. No agreement hereafter made between the parties shall be binding on either party unless reduced to writing and signed by both party's authorized representatives.

THE PARTIES ACKNOWLEDGE that there has been an opportunity to negotiate the terms and conditions of this Subcontract and agree to be bound accordingly.

SUBCONTRACTOR	**URS**
Signature	Signature
David L. Hall - President	
Typed Name/Title	Typed Name/Title
6/18/2004	
Date of Signature	Date of Signature

Asbestos Consulting & Testing
ACT

Sample Receiving/Transmittal * Chain of Custody

ACT Lab Report No.: _____

Client: URS
Send Report To: MIKE FRANANO
Address: 10975 EL MONTE #100
City/State/Zip: OVERLAND PARK, KS 66211
Phone/Fax: 913.344.1000
FAX 913.344.1011

Project Name: US BORAX
Project No.: 26814574
P.O. No.: —
Date Required: STANDARD
Verbal ____ Fax X Mail X

Sampler Name: DAVE BRONSON & AARON STIEGERWALT
Relinquished by: [signature] 6/18/04
Accepted by: [signature]
Relinquished by: _____
Accepted by: _____

Date: 6/18/04
Date/Time: 6/18/04 1500
Date/Time: 6/18/04
Date/Time: _____
Date/Time: _____

No. of Samples: 27 TOTAL
Condition of Package: _____
Carrier: URS
Disposition of Samples: (Dispose) Return
Authorized by: _____
Note: Samples are stored for 30 days only. After which time they will be disposed of unless otherwise noted.

COLLECTION DATA			
Sample No.	Sampler	Date	Sample Description
C-FL1-01	DMB	6/18/04	CEILING TILE
C-FL1-02	ALS	↓	↓
C-FL1-03	DMB		
C-FL2-01	ALS		
C-FL2-02	ALS		
C-FL2-03	DMB		
E-FL1-01	ALS		TRIM/MASTIC
E-FL1-02	DMB		↓
E-FL1-03	DMB		
F-FL1-01	ALS		TRIM/MASTIC
F-FL2-02	DMB		↓
F-FL2-03	ALS		
A-FL1-01	ALS		FLOOR TILE/MASTIC
A-FL1-02	DMB		↓
A-FL1-03	DMB		
D-FL1-01	ALS		WALL BOARD
D-FL1-02	ALS		↓
D-FL1-03	DMB		
		↓	

Asbestos Consulting & Testing
ACT

Sample Receiving/Transmittal * Chain of Custody

ACT Lab Report No.: _____

Client: URS
Send Report To: MIKE FRANANO
Address: 10975 EL MONTE #100
City/State/Zip: OVERLAND PARK, KS 66211
Phone/Fax: 913.344.1000
FAX 913.344.1011

Project Name: US BORAX
Project No.: 26814574
P.O. No.: —
Date Required: 6/18/04
Verbal ____ Fax X Mail X

Sampler Name: DAVE BRONSON & MARON STIEGERWALT
Relinquished by: [signature]
Accepted by: [signature]
Relinquished by: _____
Accepted by: _____

Date: 6/18/04
Date/Time: 6/18/04 1500
Date/Time: 6/18/04
Date/Time: _____
Date/Time: _____

No. of Samples: 27 TOTAL
Condition of Package: _____
Carrier: URS
Disposition of Samples: (Dispose) Return
Authorized by: _____

Note: Samples are stored for 30 days only. After which time they will be disposed of unless otherwise noted.

COLLECTION DATA

Sample No.	Sampler	Date	Sample Description
G-FLZ-01	ALS	6/18/04	SURFACE TEXTURE
G-FLZ-02	ALS		↓
G-FLZ-03	DMB		↓
B-FL1-01	ALS		FLOOR TILE/MASTIC
B-FL1-02	~~ALS~~ DMB		↓
~~B-FL2 DMB~~			
B-FL1-03	ALS		↓
H-WH-01	ALS		WALL BOARD
H-WH-02	ALS		↓
H-WH-03	DMB		↓
		↓	

KEY

Item	Description
Borax-TP1-S-01	Borax-Test Pit #1-Soil-depth of sample at 3 feet below ground surface
Borax-TP1-S-02	Borax-Test Pit #1-Soil-depth of sample at 8 feet below ground surface
Borax-TP2-S-02D	Borax-Test Pit #2-Soil-depth of sample at 8 feet below ground surface-duplicate sample

M.D. Chemical and Testing, Inc.
P.O. Box 19321, Forbes Field, Bldg 281, Topeka, KS 66619
Kansas Certification No. E-10135 (785)862-3500 fax(785)862-5132

Sample Collected By: Rick Horner
Received In lab: 10/19/04
Date Reported: 10/21/04
Project Name: Borax
Project Number:

Lab Number: 1043766
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043766-01 **Sample ID:** Borax-TP1-S-01						
Sampled: 10/15/04						
Arsenic	EPA 6010B	5620	[5.00]	mg/kg(ppm)	10/20/04	HK
TCLP Arsenic						
Arsenic	SW846-1311/6010B	75.3	[0.20]	mg/L(ppm)	10/20/04	HK
1043766-02 **Sample ID:** Borax-TP1-S-02						
Sampled: 10/15/04						
Arsenic	EPA 6010B	6790	[5.00]	mg/kg(ppm)	10/20/04	HK
TCLP Arsenic						
Arsenic	SW846-1311/6010B	118	[0.20]	mg/L(ppm)	10/20/04	HK
1043766-03 **Sample ID:** Borax-TP2-S-01						
Sampled: 10/15/04						
Arsenic	EPA 6010B	867	[5.00]	mg/kg(ppm)	10/20/04	HK
TCLP Arsenic						
Arsenic	SW846-1311/6010B	7.09	[0.20]	mg/L(ppm)	10/20/04	HK
1043766-04 **Sample ID:** Borax-TP2-S-02						
Sampled: 10/15/04						
Arsenic	EPA 6010B	1640	[5.00]	mg/kg(ppm)	10/20/04	HK
TCLP Arsenic						
Arsenic	SW846-1311/6010B	19.8	[0.20]	mg/L(ppm)	10/20/04	HK

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Sample Collected By: Rick Horner
Received In lab: 10/19/04
Date Reported: 10/21/04
Project Name: Borax
Project Number:

Lab Number: 1043766
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043766-05 **Sample ID:** Borax-TP2-S-02D						
Sampled: 10/15/04						
Arsenic	EPA 6010B	2480	[5.00]	mg/kg(ppm)	10/20/04	HK
TCLP Arsenic						
Arsenic	SW846-1311/6010B	18.7	[0.20]	mg/L(ppm)	10/20/04	HK
1043766-06 **Sample ID:** Borax-TP3-S-01						
Sampled: 10/15/04						
Arsenic	EPA 6010B	1160	[5.00]	mg/kg(ppm)	10/20/04	HK
TCLP Arsenic						
Arsenic	SW846-1311/6010B	16.8	[0.20]	mg/L(ppm)	10/20/04	HK
1043766-07 **Sample ID:** Borax-TP3-S-02						
Sampled: 10/15/04						
Arsenic	EPA 6010B	2280	[5.00]	mg/kg(ppm)	10/20/04	HK
TCLP Arsenic						
Arsenic	SW846-1311/6010B	39.8	[0.20]	mg/L(ppm)	10/20/04	HK
1043766-08 **Sample ID:** Borax-TP4-S-01						
Sampled: 10/15/04						
Arsenic	EPA 6010B	1600	[5.00]	mg/kg(ppm)	10/20/04	HK
TCLP Arsenic						
Arsenic	SW846-1311/6010B	2.64	[0.20]	mg/L(ppm)	10/20/04	HK

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Sample Collected By: Rick Horner
Received In lab: 10/19/04
Date Reported: 10/21/04
Project Name: Borax
Project Number:

Lab Number: 1043766
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043766-09 **Sample ID:** Borax-TP4-S-02						
Sampled: 10/15/04						
Arsenic	EPA 6010B	2670	[5.00]	mg/kg(ppm)	10/20/04	HK
TCLP Arsenic						
Arsenic	SW846-1311/6010B	48.7	[0.20]	mg/L(ppm)	10/20/04	HK
1043766-10 **Sample ID:** Borax-TP5-S-01						
Sampled: 10/15/04						
Arsenic	EPA 6010B	2600	[5.00]	mg/kg(ppm)	10/20/04	HK
TCLP Arsenic						
Arsenic	SW846-1311/6010B	23.2	[0.20]	mg/L(ppm)	10/20/04	HK
1043766-11 **Sample ID:** Borax-TP5-S-02						
Sampled: 10/15/04						
Arsenic	EPA 6010B	492	[5.00]	mg/kg(ppm)	10/20/04	HK
TCLP Arsenic						
Arsenic	SW846-1311/6010B	7.53	[0.20]	mg/L(ppm)	10/20/04	HK
1043766-12 **Sample ID:** Borax-TP6-S-01						
Sampled: 10/15/04						
Arsenic	EPA 6010B	3300	[5.00]	mg/kg(ppm)	10/20/04	HK
TCLP Arsenic						
Arsenic	SW846-1311/6010B	38.5	[0.20]	mg/L(ppm)	10/20/04	HK

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Sample Collected By: Rick Horner
Received In lab: 10/19/04
Date Reported: 10/21/04
Project Name: Borax
Project Number:

Lab Number: 1043766
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043766-13 **Sample ID:** Borax-TP6-S-02						
Sampled: 10/15/04						
Arsenic	EPA 6010B	1560	[5.00]	mg/kg(ppm)	10/20/04	HK
TCLP Arsenic						
Arsenic	SW846-1311/6010B	13.4	[0.20]	mg/L(ppm)	10/20/04	HK
1043766-14 **Sample ID:** Borax-TP7-S-01						
Sampled: 10/15/04						
Arsenic	EPA 6010B	1250	[5.00]	mg/kg(ppm)	10/20/04	HK
TCLP Arsenic						
Arsenic	SW846-1311/6010B	22.7	[0.20]	mg/L(ppm)	10/20/04	HK
1043766-15 **Sample ID:** Borax-TP7-S-02						
Sampled: 10/15/04						
Arsenic	EPA 6010B	3990	[5.00]	mg/kg(ppm)	10/20/04	HK
TCLP Arsenic						
Arsenic	SW846-1311/6010B	73.8	[0.20]	mg/L(ppm)	10/20/04	HK
1043766-16 **Sample ID:** Borax-TP8-S-01						
Sampled: 10/15/04						
Arsenic	EPA 6010B	4780	[5.00]	mg/kg(ppm)	10/20/04	HK
TCLP Arsenic						
Arsenic	SW846-1311/6010B	75.5	[0.20]	mg/L(ppm)	10/20/04	HK

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Sample Collected By: Rick Horner
Received In lab: 10/19/04
Date Reported: 10/21/04
Project Name: Borax
Project Number:

Lab Number: 1043766
Client: URS
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Suite 100
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ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043766-17 **Sample ID:** Borax-TP8-S-01D						
Sampled: 10/15/04						
Arsenic	EPA 6010B	4560	[5.00]	mg/kg(ppm)	10/20/04	HK
TCLP Arsenic						
Arsenic	SW846-1311/6010B	69.8	[0.20]	mg/L(ppm)	10/20/04	HK
1043766-18 **Sample ID:** Borax-TP8-S-02						
Sampled: 10/15/04						
Arsenic	EPA 6010B	5220	[5.00]	mg/kg(ppm)	10/20/04	HK
TCLP Arsenic						
Arsenic	SW846-1311/6010B	83.9	[0.20]	mg/L(ppm)	10/20/04	HK
1043766-19 **Sample ID:** Borax-TP9-S-01						
Sampled: 10/15/04						
Arsenic	EPA 6010B	1240	[5.00]	mg/kg(ppm)	10/20/04	HK
TCLP Arsenic						
Arsenic	SW846-1311/6010B	24.9	[0.20]	mg/L(ppm)	10/20/04	HK
1043766-20 **Sample ID:** Borax-TP9-S-02						
Sampled: 10/15/04						
Arsenic	EPA 6010B	2260	[5.00]	mg/kg(ppm)	10/20/04	HK
TCLP Arsenic						
Arsenic	SW846-1311/6010B	26.9	[0.20]	mg/L(ppm)	10/20/04	HK

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Sample Collected By: Rick Horner
Received In lab: 10/19/04
Date Reported: 10/21/04
Project Name: Borax
Project Number:

Lab Number: 1043766
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Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043766-21 **Sample ID:** Borax-TP10-S-01 **Sampled:** 10/15/04						
Arsenic	EPA 6010B	4930	[5.00]	mg/kg(ppm)	10/20/04	HK
TCLP Arsenic						
Arsenic	SW846-1311/6010B	115	[0.20]	mg/L(ppm)	10/20/04	HK
1043766-22 **Sample ID:** Borax-TP10-S-02 **Sampled:** 10/15/04						
Arsenic	EPA 6010B	17500	[5.00]	mg/kg(ppm)	10/20/04	HK
TCLP Arsenic						
Arsenic	SW846-1311/6010B	230	[0.20]	mg/L(ppm)	10/20/04	HK
1043766-23 **Sample ID:** Borax-TP11-S-01 **Sampled:** 10/15/04						
Arsenic	EPA 6010B	2280	[5.00]	mg/kg(ppm)	10/20/04	HK
TCLP Arsenic						
Arsenic	SW846-1311/6010B	41.6	[0.20]	mg/L(ppm)	10/20/04	HK
1043766-24 **Sample ID:** Borax-TP11-S-02 **Sampled:** 10/15/04						
Arsenic	EPA 6010B	6140	[5.00]	mg/kg(ppm)	10/20/04	HK
TCLP Arsenic						
Arsenic	SW846-1311/6010B	113	[0.20]	mg/L(ppm)	10/21/04	HK

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Sample Collected By: Rick Horner
Received In lab: 10/19/04
Date Reported: 10/21/04
Project Name: Borax
Project Number:

Lab Number: 1043766
Client: URS
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Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043766-25 **Sample ID:** Borax-TP12-S-01 **Sampled:** 10/15/04						
Arsenic	EPA 6010B	4450	[5.00]	mg/kg(ppm)	10/20/04	HK
TCLP Arsenic						
Arsenic	SW846-1311/6010B	47.4	[0.20]	mg/L(ppm)	10/20/04	HK
1043766-26 **Sample ID:** Borax-TP12-S-02 **Sampled:** 10/15/04						
Arsenic	EPA 6010B	2190	[5.00]	mg/kg(ppm)	10/20/04	HK
TCLP Arsenic						
Arsenic	SW846-1311/6010B	33.8	[0.20]	mg/L(ppm)	10/20/04	HK
1043766-27 **Sample ID:** Borax-TP13-S-01 **Sampled:** 10/15/04						
Arsenic	EPA 6010B	29.6	[5.00]	mg/kg(ppm)	10/20/04	HK
TCLP Arsenic						
Arsenic	SW846-1311/6010B	0.32	[0.20]	mg/L(ppm)	10/21/04	HK

Approved By: Lab Manager

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Sample Collected By: Rick Horner
Received In lab: 10/19/04
Date Reported: 10/26/04
Project Name: Borax
Project Number:

Lab Number: 1043766
Client: URS
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Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043766-28 **Sample ID:** Borax-TP13-S-02						
Sampled: 10/15/04						
Arsenic	EPA 6010B	2700	[5.00]	mg/kg(ppm)	10/25/04	HK
TCLP Arsenic						
Arsenic	SW846-1311/6010B	30.7	[0.2]	mg/L(ppm)	10/25/04	HK

Approved By: Lab Manager

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Sample Collected By: Rick Horner
Received In lab: 10/19/04
Date Reported: 10/26/04
Project Name: Borax
Project Number:

Lab Number: 1043766
Client: URS
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Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043766-29 **Sample ID:** Borax-TP13-S-02D						
Sampled: 10/15/04						
Arsenic	EPA 6010B	3240	[5.00]	mg/kg(ppm)	10/25/04	HK
TCLP Arsenic						
Arsenic	SW846-1311/6010B	50.7	[0.2]	mg/L(ppm)	10/25/04	HK

Approved By: Lab Manager

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Sample Collected By: Rick Horner
Received In lab: 10/19/04
Date Reported: 11/2/04
Project Name: Borax
Project Number:

Lab Number: 1043766
Client: URS
10975 El Monte
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Overland Park, KS 66211
ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043766-01 **Sample ID:** Borax-TP1-S-01						
Sampled: 10/15/04						
CHLORINATED HERBICIDES						
2,4,5-TP(Silvex)	SW846-8151A	Not Detected	[0.5]	mg/kg(ppm)	10/22/04	CB
2,4-DB	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4,5-T	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dicamba	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dichlorprop	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dinoseb	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4-D	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
MCPA	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
MCPP	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
Pentachlorophenol	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)	11/2/04	CB
2,4,6-Trichlorophenol	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)	11/2/04	CB
1043766-02 **Sample ID:** Borax-TP1-S-02						
Sampled: 10/15/04						
CHLORINATED HERBICIDES						
2,4,5-TP(Silvex)	SW846-8151A	Not Detected	[0.5]	mg/kg(ppm)	10/22/04	CB
2,4-DB	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4,5-T	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dicamba	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dichlorprop	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dinoseb	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4-D	SW846-8151A	1.4	[1.0]	mg/kg(ppm)		
MCPA	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
MCPP	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
2,4,6-Trichlorophenol	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)	11/2/04	CB
Pentachlorophenol	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)	11/2/04	CB

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Sample Collected By: Rick Horner
Received In lab: 10/19/04
Date Reported: 11/2/04
Project Name: Borax
Project Number:

Lab Number: 1043766
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043766-03 **Sample ID:** Borax-TP2-S-01						
Sampled: 10/15/04						
CHLORINATED HERBICIDES						
2,4,5-TP(Silvex)	SW846-8151A	Not Detected	[0.5]	mg/kg(ppm)	10/21/04	CB
2,4-DB	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4,5-T	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dicamba	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dichlorprop	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dinoseb	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4-D	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
MCPA	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
MCPP	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
Pentachlorophenol	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)	11/2/04	CB
2,4,6-Trichlorophenol	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)	11/2/04	CB
1043766-04 **Sample ID:** Borax-TP2-S-02						
Sampled: 10/15/04						
CHLORINATED HERBICIDES						
2,4,5-TP(Silvex)	SW846-8151A	Not Detected	[0.5]	mg/kg(ppm)	10/21/04	CB
2,4-DB	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4,5-T	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dicamba	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dichlorprop	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dinoseb	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4-D	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
MCPA	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
MCPP	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
2,4,6-Trichlorophenol	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)	11/2/04	CB
Pentachlorophenol	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)	11/2/04	CB

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Sample Collected By: Rick Horner
Received In lab: 10/19/04
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Project Name: Borax
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ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043766-05 **Sample ID:** Borax-TP2-S-02D						
Sampled: 10/15/04						
CHLORINATED HERBICIDES						
2,4,5-TP(Silvex)	SW846-8151A	Not Detected	[0.5]	mg/kg(ppm)	10/22/04	CB
2,4-DB	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4,5-T	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dicamba	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dichlorprop	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dinoseb	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4-D	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
MCPA	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
MCPP	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
2,4,6-Trichlorophenol	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)	11/2/04	CB
Pentachlorophenol	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)	11/2/04	CB
1043766-06 **Sample ID:** Borax-TP3-S-01						
Sampled: 10/15/04						
CHLORINATED HERBICIDES						
2,4,5-TP(Silvex)	SW846-8151A	Not Detected	[0.5]	mg/kg(ppm)	10/21/04	CB
2,4-DB	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4,5-T	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dicamba	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dichlorprop	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dinoseb	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4-D	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
MCPA	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
MCPP	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
2,4,6-Trichlorophenol	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)	11/2/04	CB
Pentachlorophenol	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)	11/2/04	CB

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ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043766-07 **Sample ID:** Borax-TP3-S-02						
Sampled: 10/15/04						
CHLORINATED HERBICIDES						
2,4,5-TP(Silvex)	SW846-8151A	Not Detected	[0.5]	mg/kg(ppm)	10/21/04	CB
2,4-DB	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4,5-T	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dicamba	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dichlorprop	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dinoseb	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4-D	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
MCPA	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
MCPP	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
2,4,6-Trichlorophenol	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)	11/2/04	CB
Pentachlorophenol	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)	11/2/04	CB
1043766-08 **Sample ID:** Borax-TP4-S-01						
Sampled: 10/15/04						
CHLORINATED HERBICIDES						
2,4,5-TP(Silvex)	SW846-8151A	Not Detected	[0.5]	mg/kg(ppm)	10/21/04	CB
2,4-DB	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4,5-T	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dicamba	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dichlorprop	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dinoseb	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4-D	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
MCPA	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
MCPP	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
2,4,6-Trichlorophenol	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)	11/2/04	CB
Pentachlorophenol	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)	11/2/04	CB

M.D. Chemical and Testing, Inc.
P.O. Box 19321, Forbes Field, Bldg 281, Topeka, KS 66619
Kansas Certification No. E-10135 (785)862-3500 fax(785)862-5132

Sample Collected By: Rick Horner
Received In lab: 10/19/04
Date Reported: 11/2/04
Project Name: Borax
Project Number:

Lab Number: 1043766
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043766-09 **Sample ID:** Borax-TP4-S-02						
Sampled: 10/15/04						
CHLORINATED HERBICIDES						
2,4,5-TP(Silvex)	SW846-8151A	Not Detected	[0.5]	mg/kg(ppm)	10/21/04	CB
2,4-DB	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4,5-T	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dicamba	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dichlorprop	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dinoseb	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4-D	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
MCPA	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
MCPP	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
Pentachlorophenol	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)	11/2/04	CB
2,4,6-Trichlorophenol	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)	11/2/04	CB
1043766-21 **Sample ID:** Borax-TP10-S-01						
Sampled: 10/15/04						
CHLORINATED HERBICIDES						
2,4,5-TP(Silvex)	SW846-8151A	Not Detected	[0.5]	mg/kg(ppm)	10/22/04	CB
2,4-DB	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4,5-T	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dicamba	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dichlorprop	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dinoseb	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4-D	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
MCPA	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
MCPP	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
2,4,6-Trichlorophenol	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)	11/2/04	CB
Pentachlorophenol	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)	11/2/04	CB

M.D. Chemical and Testing, Inc.
P.O. Box 19321, Forbes Field, Bldg 281, Topeka, KS 66619
Kansas Certification No. E-10135 (785)862-3500 fax(785)862-5132

Sample Collected By: Rick Horner
Received In lab: 10/19/04
Date Reported: 11/2/04
Project Name: Borax
Project Number:

Lab Number: 1043766
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043766-22 **Sample ID:** Borax-TP10-S-02						
Sampled: 10/15/04						
CHLORINATED HERBICIDES						
2,4,5-TP(Silvex)	SW846-8151A	Not Detected	[0.5]	mg/kg(ppm)	10/21/04	CB
2,4-DB	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4,5-T	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dicamba	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dichlorprop	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dinoseb	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4-D	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
MCPA	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
MCPP	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
2,4,6-Trichlorophenol	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)	11/2/04	CB
Pentachlorophenol	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)	11/2/04	CB
1043766-23 **Sample ID:** Borax-TP11-S-01						
Sampled: 10/15/04						
CHLORINATED HERBICIDES						
2,4,5-TP(Silvex)	SW846-8151A	Not Detected	[0.5]	mg/kg(ppm)	10/22/04	CB
2,4-DB	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4,5-T	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dicamba	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dichlorprop	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dinoseb	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4-D	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
MCPA	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
MCPP	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
Pentachlorophenol	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)	11/2/04	CB
2,4,6-Trichlorophenol	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)	11/2/04	CB

M.D. Chemical and Testing, Inc.
P.O. Box 19321, Forbes Field, Bldg 281, Topeka, KS 66619
Kansas Certification No. E-10135 (785)862-3500 fax(785)862-5132

Sample Collected By: Rick Horner
Received In lab: 10/19/04
Date Reported: 11/2/04
Project Name: Borax
Project Number:

Lab Number: 1043766
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043766-24 **Sample ID:** Borax-TP11-S-02						
Sampled: 10/15/04						
CHLORINATED HERBICIDES						
2,4,5-TP(Silvex)	SW846-8151A	Not Detected	[0.5]	mg/kg(ppm)	10/22/04	CB
2,4-DB	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4,5-T	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dicamba	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dichlorprop	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
Dinoseb	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
2,4-D	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)		
MCPA	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
MCPP	SW846-8151A	Not Detected	[10.0]	mg/kg(ppm)		
Pentachlorophenol	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)	11/2/04	CB
2,4,6-Trichlorophenol	SW846-8151A	Not Detected	[1.0]	mg/kg(ppm)	11/2/04	CB

Approved By: _____
Lab Manager

M.D. Chemical and Testing, Inc.
P.O. Box 19321, Forbes Field, Bldg 281, Topeka, KS 66619
Kansas Certification No. E-10135 (785)862-3500 fax(785)862-5132

Sample Collected By: Rick Horner
Received In lab: 10/19/04
Date Reported: 10/22/04
Project Name: Borax
Project Number:

Lab Number: 1043766
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

PARAMETER	RESULTS (mg/L)	DETECTION LIMIT	TCLP LIMIT	TEST METHOD	Date Analyzed	Analyst
1043766-01						
Sampled: 10/15/04						
TCLP Pesticides/Herbicides - EPA Method 1311						
2,4-D	Not Detected	[0.50]	10.0	EPA 8151A	10/21/04	CB
2,4,5-TP(Silvex)	Not Detected	[0.10]	1.0	EPA 8151A		
1043766-02						
Sampled: 10/15/04						
TCLP Pesticides/Herbicides - EPA Method 1311						
2,4-D	Not Detected	[0.50]	10.0	EPA 8151A	10/21/04	CB
2,4,5-TP(Silvex)	Not Detected	[0.10]	1.0	EPA 8151A		
1043766-03						
Sampled: 10/15/04						
TCLP Pesticides/Herbicides - EPA Method 1311						
2,4-D	Not Detected	[0.50]	10.0	EPA 8151A	10/21/04	CB
2,4,5-TP(Silvex)	Not Detected	[0.10]	1.0	EPA 8151A		
1043766-04						
Sampled: 10/15/04						
TCLP Pesticides/Herbicides - EPA Method 1311						
2,4-D	Not Detected	[0.50]	10.0	EPA 8151A	10/22/04	CB
2,4,5-TP(Silvex)	Not Detected	[0.10]	1.0	EPA 8151A		
1043766-05						
Sampled: 10/15/04						
TCLP Pesticides/Herbicides - EPA Method 1311						
2,4-D	Not Detected	[0.50]	10.0	EPA 8151A	10/22/04	CB
2,4,5-TP(Silvex)	Not Detected	[0.10]	1.0	EPA 8151A		
1043766-06						
Sampled: 10/15/04						
TCLP Pesticides/Herbicides - EPA Method 1311						
2,4-D	Not Detected	[0.50]	10.0	EPA 8151A	10/22/04	CB
2,4,5-TP(Silvex)	Not Detected	[0.10]	1.0	EPA 8151A		

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Kansas Certification No. E-10135 (785)862-3500 fax(785)862-5132

Sample Collected By: Rick Horner
Received In lab: 10/19/04
Date Reported: 10/22/04
Project Name: Borax
Project Number:

Lab Number: 1043766
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

PARAMETER	RESULTS (mg/L)	DETECTION LIMIT	TCLP LIMIT	TEST METHOD	Date Analyzed	Analyst
1043766-07						
Sampled: 10/15/04						
TCLP Pesticides/Herbicides - EPA Method 1311						
2,4-D	Not Detected	[0.50]	10.0	EPA 8151A	10/22/04	CB
2,4,5-TP(Silvex)	Not Detected	[0.10]	1.0	EPA 8151A		
1043766-08						
Sampled: 10/15/04						
TCLP Pesticides/Herbicides - EPA Method 1311						
2,4-D	Not Detected	[0.50]	10.0	EPA 8151A	10/22/04	CB
2,4,5-TP(Silvex)	Not Detected	[0.10]	1.0	EPA 8151A		
1043766-09						
Sampled: 10/15/04						
TCLP Pesticides/Herbicides - EPA Method 1311						
2,4-D	Not Detected	[0.50]	10.0	EPA 8151A	10/22/04	CB
2,4,5-TP(Silvex)	Not Detected	[0.10]	1.0	EPA 8151A		
1043766-21						
Sampled: 10/15/04						
TCLP Pesticides/Herbicides - EPA Method 1311						
2,4-D	Not Detected	[0.50]	10.0	EPA 8151A	10/22/04	CB
2,4,5-TP(Silvex)	Not Detected	[0.10]	1.0	EPA 8151A		
1043766-22						
Sampled: 10/15/04						
TCLP Pesticides/Herbicides - EPA Method 1311						
2,4-D	Not Detected	[0.50]	10.0	EPA 8151A	10/22/04	CB
2,4,5-TP(Silvex)	Not Detected	[0.10]	1.0	EPA 8151A		
1043766-23						
Sampled: 10/15/04						
TCLP Pesticides/Herbicides - EPA Method 1311						
2,4-D	Not Detected	[0.50]	10.0	EPA 8151A	10/22/04	CB
2,4,5-TP(Silvex)	Not Detected	[0.10]	1.0	EPA 8151A		

M.D. Chemical and Testing, Inc.
P.O. Box 19321, Forbes Field, Bldg 281, Topeka, KS 66619
Kansas Certification No. E-10135 (785)862-3500 fax(785)862-5132

Sample Collected By: Rick Horner
Received In lab: 10/19/04
Date Reported: 10/22/04
Project Name: Borax
Project Number:

Lab Number: 1043766
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

PARAMETER	RESULTS (mg/L)	DETECTION LIMIT	TCLP LIMIT	TEST METHOD	Date Analyzed	Analyst
1043766-24						
Sampled: 10/15/04						
TCLP Pesticides/Herbicides - EPA Method 1311						
2,4-D	Not Detected	[0.50]	10.0	EPA 8151A	10/22/04	CB
2,4,5-TP(Silvex)	Not Detected	[0.10]	1.0	EPA 8151A		

Approved by: _____
Lab Manager

MD CHEMICAL & TESTING, INC.

FORBES FIELD, BLDG. 281, TOPEKA, KS 66619
PHONE: 785-862-3500 FAX: 785-862-5132

TURNAROUND TIME REQUESTED

STANDARD	RUSH ANALYSIS
❑ 5 working days	❑ 72 HR ❑ 48 HR ❑ 24 HR additional fees for RUSH analysis

*RUSH TAT requires lab contact for availability of services.

LAB USE ONLY

LAB NUMBER	DUE DATE

PAGE 1 of 3

CLIENT NAME: URS
CONTACT: Rick Hoover
STREET ADDRESS: 10275 CL Monte #100
CITY, STATE, ZIP: Overland Park, KS 66211
PHONE #: (913) 344-1023
FAX #: (913) 344-1011
PROJECT NAME: BORAX

PROJECT #:
P.O. #:

ANALYSIS REQUESTED

LAB USE ONLY	CLIENT SAMPLE ID	DATE SAMPLED	TIME SAMPLED	Number of Containers	PRESERVATION: HNO3 (Nitric Acid)	PRESERVATION: H_2SO_4 (Sulfuric Acid)	PRESERVATION: NaOH (Sodium Hydroxide)	PRESERVATION: HCl (Hydrochloric Acid)	PRESERVATION: ~~Non-Preserved~~ ICE	PRESERVATION: Sodium Thiosulfate	COMPOSITE	GRAB	MATRIX: WATER	MATRIX: SOLID (Soil)	MATRIX: AIR	MATRIX: OTHER (SPECIFY)	ARSENIC	TCLP ARSENIC	HERBICIDES	TCLP HERBICIDES	NOTES
	BORAX-TP1-5-01	10/5/04	1345	2					✓			✓		✓			✓	✓	✓	✓	
	BORAX-TP1-5-02		1350	2																	
	BORAX-TP2-5-01		1400	2																	
	BORAX-TP2-5-02		1413	2																	
	BORAX-TP3-5-00D		1420	2																	
	BORAX-TP3-5-01		1430	2																	
	BORAX-TP3-5-02		1441	2																	
	BORAX-TP4-5-01		1450	2																	
	BORAX-TP4-5-00		1500	2																	
	BORAX-TP5-5-01		1510	1													✓	✓			
	BORAX-TP5-5-00		1500	1													✓	✓			
	BORAX-TP6-5-01		1535	1													✓	✓			

CONTAINER TEMP (°C)

RELINQUISHED BY	DATE/TIME	ACCEPTED BY
	10/6/04	Roland Lewallen

SAMPLER (PRINT): Rick Hoover
SIGNATURE:

COMMENTS:

ALL HIGHLY CONTAMINATED - HERBICIDE
RUN TPH 12 INCLUDE 2,4-D, 2,4,5-T, 2,4,5-TP & PCP

*FAILURE TO COMPLETE THIS FORM OR COMPLETELY FILL SAMPLE CONTAINERS MAY DELAY LABORATORY RESULTS.

MD CHEMICAL & TESTING, INC.

FORBES FIELD, BLDG. 281, TOPEKA, KS 66619
PHONE: 785-862-3500 FAX: 785-862-5132

TURNAROUND TIME REQUESTED

STANDARD	RUSH ANALYSIS		
❑ 5 working days	❑ 72 HR	❑ 48 HR	❑ 24 HR
	additional fees for RUSH analysis		

*RUSH TAT requires lab contact for availability of services.

LAB USE ONLY

LAB NUMBER	DUE DATE

CLIENT NAME: URS
CONTACT: Rick Horner
STREET ADDRESS: 10975 El Monte #100
CITY, STATE, ZIP: Overland Park, KS 66211
PHONE #: (913) 344-1023
FAX #: (913) 344-1011
PROJECT NAME: Borax

PROJECT #:
P.O. #:

CONTAINER TEMP (°C):

LAB USE ONLY	CLIENT SAMPLE ID	DATE SAMPLED	TIME SAMPLED	Number of Containers	HNO3 (Nitric Acid)	H_2SO_4 (Sulfuric Acid)	NaOH (Sodium Hydroxide)	HCl (Hydrochloric Acid)	Non-Preserved	Sodium Thiosulfate	COMPOSITE	GRAB	WATER	SOLID	AIR	OTHER (SPECIFY)	Arsenic	TCLP Arsenic	Herbicides	TCLP Herbicides								NOTES
	BORAX-TP6-S-02	10/15/04	1540	1													✓	✓										
	BORAX-TP7-S-01	↓	1555	1													↓	↓										
	BORAX-TP7-S-02	↓	1604	1													↓	↓										
	BORAX-TP8-S-01	↓	1614	1													↓	↓										
	BORAX-TP8-S-MID	↓	1621	1													↓	↓										
	BORAX-TP8-S-02	↓	1635	1													↓	↓										
	BORAX-TP9-S-01	↓	1646	1													↓	↓										
	BORAX-TP9-S-02	↓	1700	1													↓	↓										
	BORAX-TP10-S-01	↓	1706	2													✓	✓	✓	✓								
	BORAX-TP10-S-02	↓	1715	2													↓	↓	↓	↓								
	BORAX-TP11-S-01	↓	1725	2													↓	↓	↓	↓								
	BORAX-TP11-S-02	↓	1730	2													↓	↓	↓	↓								

RELINQUISHED BY	DATE/TIME	ACCEPTED BY
[signature]	10/18/04	[signature]

SAMPLER (PRINT): Rick Horner
SIGNATURE: [signature]

COMMENTS:
SEE PAGE # 1 FOR COMMENTS

*FAILURE TO COMPLETE THIS FORM OR COMPLETELY FILL SAMPLE CONTAINERS MAY DELAY LABORATORY RESULTS.

MD CHEMICAL & TESTING, INC.

FORBES FIELD, BLDG. 281, TOPEKA, KS 66619
PHONE: 785-862-3500 FAX: 785-862-5132

TURNAROUND TIME REQUESTED

STANDARD	RUSH ANALYSIS
❑ 5 working days	❑ 72 HR ❑ 48 HR ❑ 24 HR additional fees for RUSH analysis

*RUSH TAT requires lab contact for availability of services.

LAB USE ONLY

LAB NUMBER	DUE DATE

PAGE 1 of 3

CLIENT NAME URS
CONTACT Rick Hoover
STREET ADDRESS 10975 - 1 Marks # 100
CITY, STATE, ZIP Overland Park KS 66214
PHONE # (913) 344-1083
FAX # (913) 344-2011
PROJECT NAME Burrell

PROJECT # _____
P.O. # _____

ANALYSIS REQUESTED

CONTAINER TEMP (°C)

LAB USE ONLY	CLIENT SAMPLE ID	DATE SAMPLED	TIME SAMPLED	Number of Containers	PRESERVATION: HNO3 (Nitric Acid)	PRESERVATION: H_2SO_4 (Sulfuric Acid)	PRESERVATION: NaOH (Sodium Hydroxide)	PRESERVATION: HCl (Hydrochloric Acid)	PRESERVATION: Non-Preserved	PRESERVATION: Sodium Thiosulfate	COMPOSITE	GRAB	MATRIX: WATER	MATRIX: SOLID	MATRIX: AIR	MATRIX: OTHER (SPECIFY)	Arsenic	TCLP Pest	NOTES
	BORAX-TP12-5 01	10/1/04	1745	1					✓			✓		✓			✓	✓	
	BORAX-TP12-5 02	↓	1755	1					↓			↓		↓			↓	↓	
	BORAX-TP13-5 01		1505	1															
	BORAX-TP13-5 02		1515	1															
	BORAX-TP13-5 03		1015	1					↓			↓		↓			↓	↓	

RELINQUISHED BY	DATE/TIME	ACCEPTED BY
	10/1/04	Roland Langston

SAMPLER (PRINT) Rick Hoover
SIGNATURE

COMMENTS:

SEE PAGE #1 FOR COMMENTS

*FAILURE TO COMPLETE THIS FORM OR COMPLETELY FILL SAMPLE CONTAINERS MAY DELAY LABORATORY RESULTS.

MD Chemical and Testing
ICP Analysis
11/02/2004 Data Set HM102004

SampleID	Analyte	Mean
LPC1		
2004/10/20 09:57:46 All analytes passed QC.		
	As 188.979	2.2 mg/L
2004/10/20 09:57:45 QC value within limits for As 188.979	Recovery = 109.31%	
LPC2		
2004/10/20 10:38:34 All analytes passed QC.		
	As 188.979	2.1 mg/L
2004/10/20 10:38:32 QC value within limits for As 188.979	Recovery = 106.65%	
LPC1		
2004/10/20 12:52:44 All analytes passed QC.		
	As 188.979	2.1 mg/L
2004/10/20 12:52:43 QC value within limits for As 188.979	Recovery = 106.28%	
LPC2		
2004/10/20 13:33:55 All analytes passed QC.		
	As 188.979	2.1 mg/L
2004/10/20 13:33:54 QC value within limits for As 188.979	Recovery = 106.65%	
LPC3		
2004/10/20 14:17:29 All analytes passed QC.		
	As 188.979	2.2 mg/L
2004/10/20 14:17:28 QC value within limits for As 188.979	Recovery = 111.12%	
LPC1		
2004/10/20 14:19:29 All analytes passed QC.		
	As 188.979	2.1 mg/L
2004/10/20 14:19:28 QC value within limits for As 188.979	Recovery = 105.30%	
2004/10/20 14:21:54 All analytes passed QC.		
	As 188.979	2.1 mg/L
2004/10/20 14:21:53 QC value within limits for As 188.979	Recovery = 105.82%	
LPC2		
2004/10/20 14:49:48 All analytes passed QC.		
	As 188.979	2.1 mg/L
2004/10/20 14:49:47 QC value within limits for As 188.979	Recovery = 105.26%	
2004/10/20 15:14:57 All analytes passed QC.		
	As 188.979	2.1 mg/L
2004/10/20 15:14:56 QC value within limits for As 188.979	Recovery = 107.21%	
LPC3		
2004/10/20 15:31:31 All analytes passed QC.		
	As 188.979	2.0 mg/L
2004/10/20 15:31:30 QC value within limits for As 188.979	Recovery = 102.52%	

QA/QC for Lab No.1043766

MD Chemical
ICP Analysis
Data Set HM102004.xls

Sample ID	Analyte Name	Reported Conc (Calib)	Calib Units	Recovery	% Difference	
RB 10-19-04	As 188.979	-0.0347	mg/L			
LFB 10-19-04	As 188.979	0.9955	mg/L	99.5%		PASS
43766-02	As 188.979	6786.3255	mg/kg			
43766-02 SPK	As 188.979	8572.5757	mg/kg	1786.3%	6.0%	PASS*
43766-02 DSPK	As 188.979	6749.0467	mg/kg	-37.3%		*
43766-12	As 188.979	3304.4329	mg/kg			
43766-12 SPK	As 188.979	3395.2123	mg/kg	90.8%	3.6%	PASS*
43766-12 DSPK	As 188.979	2934.6869	mg/kg	-369.7%		*
43766-21	As 188.979	4925.7782	mg/kg			
43766-21 SPK	As 188.979	5113.2140	mg/kg	187.4%	5.3%	PASS*
43766-21 DSPK	As 188.979	4135.9892	mg/kg	-789.8%		*

*Spike QC sample voided due to excess analyte in sample.
Ratio of arsenic concentration to spike concentration greater than 100:1.
Also "hot spots" in samples contributed to irregular results.

RB = Reagent Blank
LFB = Laboratory Fortified Blank

KEY

Item	Description
Borax-NW-S-01	Borax-Northwest Portion of Property at Sewer Termination-Soil-Location 01
Borax-BKRD-S-01	Borax-Background Sample-Soil-Location 01

M.D. Chemical and Testing, Inc.
P.O. Box 19321, Forbes Field, Bldg 281, Topeka, KS 66619
Kansas Certification No. E-10135 (785)862-3500 fax(785)862-5132

Sample Collected By: Rick Horner
Received In lab: 9/24/04
Date Reported: 11/3/04
Project Name: Borax
Project Number:

Lab Number: 1043557
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043557-01 **Sample ID:** BORAX-NW-S-01 **Sampled:** 9/23/04						
Arsenic	EPA 6010B	1050	[0.25]	mg/kg(ppm)	9/28/04	HK
1043557-02 **Sample ID:** BORAX-NW-S-02 **Sampled:** 9/23/04						
Arsenic	EPA 6010B	1740	[0.25]	mg/kg(ppm)	9/28/04	HK
1043557-03 **Sample ID:** BORAX-BKRD-S-01 **Sampled:** 9/17/04						
Arsenic	EPA 7060	3.61	[0.25]	mg/kg(ppm)	9/28/04	HK
1043557-04 **Sample ID:** BORAX-BKRD-S-02 **Sampled:** 9/17/04						
Arsenic	EPA 7060	4.51	[0.25]	mg/kg(ppm)	9/28/04	HK
1043557-05 **Sample ID:** BORAX-BKRD-S-03 **Sampled:** 9/17/04						
Arsenic	EPA 7060	4.48	[0.25]	mg/kg(ppm)	9/28/04	HK
1043557-06 **Sample ID:** BORAX-BKRD-S-04 **Sampled:** 9/17/04						
Arsenic	EPA 7060	5.46	[0.25]	mg/kg(ppm)	9/28/04	HK

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P.O. Box 19321, Forbes Field, Bldg 281, Topeka, KS 66619
Kansas Certification No. E-10135 (785)862-3500 fax(785)862-5132

Sample Collected By: Rick Horner
Received In lab: 9/24/04
Date Reported: 11/3/04
Project Name: Borax
Project Number:

Lab Number: 1043557
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043557-07 **Sample ID:** BORAX-BKRD-S-05 **Sampled:** 9/17/04						
Arsenic	EPA 7060	4.05	[0.25]	mg/kg(ppm)	9/28/04	HK
1043557-08 **Sample ID:** BORAX-BKRD-S-06 **Sampled:** 9/17/04						
Arsenic	EPA 7060	3.70	[0.25]	mg/kg(ppm)	9/28/04	HK
1043557-09 **Sample ID:** BORAX-BKRD-S-07 **Sampled:** 9/17/04						
Arsenic	EPA 7060	3.26	[0.25]	mg/kg(ppm)	9/28/04	HK
1043557-10 **Sample ID:** BORAX-BKRD-S-08 **Sampled:** 9/17/04						
Arsenic	EPA 7060	4.95	[0.25]	mg/kg(ppm)	9/28/04	HK
1043557-11 **Sample ID:** BORAX-BKRD-S-09 **Sampled:** 9/21/04						
Arsenic	EPA 7060	4.22	[0.25]	mg/kg(ppm)	9/28/04	HK
1043557-12 **Sample ID:** BORAX-BKRD-S-10 **Sampled:** 9/21/04						
Arsenic	EPA 7060	8.08	[0.25]	mg/kg(ppm)	9/28/04	HK

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P.O. Box 19321, Forbes Field, Bldg 281, Topeka, KS 66619
Kansas Certification No. E-10135 (785)862-3500 fax(785)862-5132

Sample Collected By: Rick Horner
Received In lab: 9/24/04
Date Reported: 11/3/04
Project Name: Borax
Project Number:

Lab Number: 1043557
Client: URS
10975 El Monte
Suite 100
Overland Park, KS 66211
ATTN: Rick Horner

Analysis	Method	Result	Detection Limit	Units	Date Analyzed	Analyst
1043557-13 **Sample ID:** BORAX-BKRD-S-11 **Sampled:** 9/21/04						
Arsenic	EPA 7060	4.38	[0.25]	mg/kg(ppm)	9/28/04	HK
1043557-14 **Sample ID:** BORAX-BKRD-S-12 **Sampled:** 9/21/04						
Arsenic	EPA 7060	4.39	[0.25]	mg/kg(ppm)	9/28/04	HK
1043557-15 **Sample ID:** BORAX-BKRD-S-13 **Sampled:** 9/21/04						
Arsenic	EPA 7060	71.2	[0.25]	mg/kg(ppm)	9/28/04	HK
1043557-16 **Sample ID:** BORAX-BKRD-S-14 **Sampled:** 9/21/04						
Arsenic	EPA 7060	6.43	[0.25]	mg/kg(ppm)	9/28/04	HK

Approved By: Lab Manager

MD CHEMICAL & TESTING, INC.

FORBES FIELD, BLDG. 281, TOPEKA, KS 66619
PHONE: 785-862-3500 FAX: 785-862-5132

TURNAROUND TIME REQUESTED

STANDARD	RUSH ANALYSIS
☑ 5 working days	☐ 72 HR ☐ 48 HR ☐ 24 HR additional fees for RUSH analysis

*RUSH TAT requires lab contact for availability of services.

LAB USE ONLY

LAB NUMBER	DUE DATE

CLIENT NAME URS Corp
CONTACT Rick Horner
STREET ADDRESS 10975 El Monte #100
CITY, STATE, ZIP Overland Park, KS 66211
PHONE # (913) 344-1023
FAX # (913) 344-1011
PROJECT NAME BORAX

PROJECT # _____
P.O. # _____

ANALYSIS REQUESTED

LAB USE ONLY	CLIENT SAMPLE ID	DATE SAMPLED	TIME SAMPLED	Number of Containers	PRESERVATION: HNO3 (Nitric Acid)	PRESERVATION: H2SO4 (Sulfuric Acid)	PRESERVATION: NaOH (Sodium Hydroxide)	PRESERVATION: HCl (Hydrochloric Acid)	PRESERVATION: Non-Preserved	PRESERVATION: Sodium Thiosulfate	COMPOSITE	GRAB	MATRIX: WATER	MATRIX: SOLID	MATRIX: AIR	MATRIX: OTHER (SPECIFY)	Total Arsenic	NOTES
	BORAX-NW-S-01	9/23/04	09:00	1							✓			✓			✓	
	BORAX-NW-S-02	9/23/04	09:32	1							✓			✓			✓	
	BORAX-BKRD-S-01	9/17/04	13:40	1														
	BORAX-BKRD-S-02		13:50	1														
	BORAX-BKRD-S-03		14:00	1														
	BORAX-BKRD-S-04		14:08	1														
	BORAX-BKRD-S-05		14:15	1														
	BORAX-BKRD-S-06		14:22	1														
	BORAX-BKRD-S-07		14:30	1														
	BORAX-BKRD-S-08		14:43	1														
	BORAX-BKRD-S-09	9/21/04	14:25	1														
	BORAX-BKRD-S-10	9/21/04	14:30	1							✓			✓			✓	

CONTAINER TEMP (°C)

RELINQUISHED BY	DATE/TIME	ACCEPTED BY
	9/24/04 0800	

SAMPLER (PRINT) Rick Horner
SIGNATURE

COMMENTS:

*FAILURE TO COMPLETE THIS FORM OR COMPLETELY FILL SAMPLE CONTAINERS MAY DELAY LABORATORY RESULTS.

MD CHEMICAL & TESTING, INC.

FORBES FIELD, BLDG. 281, TOPEKA, KS 66619
PHONE: 785-862-3500 FAX: 785-862-5132

TURNAROUND TIME REQUESTED

STANDARD	RUSH ANALYSIS
☑ 5 working days	☐ 72 HR ☐ 48 HR ☐ 24 HR additional fees for RUSH analysis

*RUSH TAT requires lab contact for availability of services.

LAB USE ONLY

LAB NUMBER	DUE DATE

CLIENT NAME: URS Corp.
CONTACT: Rick Horner
STREET ADDRESS: 10975 El Monte #100
CITY, STATE, ZIP: Overland Park, Ks 66211
PHONE #: (913) 344-1023
FAX #: (913) 344-1011
PROJECT NAME: BoRAY

PROJECT #:
P.O. #:

ANALYSIS REQUESTED

CONTAINER TEMP (°C)

LAB USE ONLY	CLIENT SAMPLE ID	DATE SAMPLED	TIME SAMPLED	Number of Containers	PRESERVATION: HNO3 (Nitric Acid)	PRESERVATION: H2SO4 (Sulfuric Acid)	PRESERVATION: NaOH (Sodium Hydroxide)	PRESERVATION: HCl (Hydrochloric Acid)	PRESERVATION: Non-Preserved	PRESERVATION: Sodium Thiosulfate	COMPOSITE	GRAB	MATRIX: WATER	MATRIX: SOLID	MATRIX: AIR	MATRIX: OTHER (SPECIFY)	Total Arsenic	NOTES
	BORAY-BKRD-S-11	9/21/04		1							✓			✓			✓	
	BORAY-BKRD-S-12	↓																
	BORAY-BKRD-S-13																	
	BORAY-BKRD-S14																	

RELINQUISHED BY	DATE/TIME	ACCEPTED BY
	9/24/04 08:00	

SAMPLER (PRINT): Rick Horner
SIGNATURE:

COMMENTS:

*FAILURE TO COMPLETE THIS FORM OR COMPLETELY FILL SAMPLE CONTAINERS MAY DELAY LABORATORY RESULTS.

MD Chemical and Testing
ICP Analysis
11/02/2004 Data Set HM092804

SampleID	Analyte	Mean
LPC1		
2004/09/28 13:29:43	All analytes passed QC.	
	As 188.979	2.1 mg/L
2004/09/28 13:29:42	QC value within limits for As 188.979	Recovery = 103.99%
LPC2		
2004/09/28 13:57:41	All analytes passed QC.	
	As 188.979	2.0 mg/L
2004/09/28 13:57:40	QC value within limits for As 188.979	Recovery = 101.35%
2004/09/28 14:24:17	All analytes passed QC.	
	As 188.979	2.0 mg/L
2004/09/28 14:24:15	QC value within limits for As 188.979	Recovery = 101.31%
2004/09/28 14:57:37	All analytes passed QC.	
	As 188.979	1.9 mg/L
2004/09/28 14:57:35	QC value within limits for As 188.979	Recovery = 97.69%
LPC3		
2004/09/28 15:25:30	All analytes passed QC.	
	As 188.979	2.0 mg/L
2004/09/28 15:25:29	QC value within limits for As 188.979	Recovery = 100.04%

QA/QC for Lab No.1043557

MD Chemical
ICP Analysis
Data Set HM092804.xls

Sample ID	Analyte Name	Reported Conc (Calib)	Calib Units	Recovery	% Difference	
43564-01	As 188.979	-0.0113	mg/L			
43564-01 SPK	As 188.979	0.9136	mg/L	92.5%	-0.4%	PASS
43564-01 DSPK	As 188.979	0.9266	mg/L	93.8%		PASS
43558-24 TC	As 188.979	1.8856	mg/L		8.4%	PASS
43558-24 DUP TC	As 188.979	1.3455	mg/L			
43558-25 TC	As 188.979	7.1326	mg/L			
43558-25 SPK TC	As 188.979	7.9434	mg/L	81.1%	-0.1%	PASS
43558-25 DSPK TC	As 188.979	7.9717	mg/L	83.9%		PASS
43557-16	As 188.979	21.5379	mg/kg			
43557-01	As 188.979	1047.0496	mg/kg			
43557-01 SPK	As 188.979	780.3068	mg/kg	-266.7%	-16.9%	PASS*
43557-01 DSPK	As 188.979	1574.0025	mg/kg	527.0%		*

*Spike QC sample voided due to excess analyte in sample.
Ratio of arsenic concentration to spike concentration greater than 100:1.
Also "hot spots" in samples contributed to irregular results.

RB = Reagent Blank
LFB = Laboratory Fortified Blank